American Steel & Wire Company's

E-Z Open Safety Keg

(Patented—No. 2,071,219)

The protection of all who use and handle nails is a paramount issue. This improved keg with the E-Z Pull Heading Nail prevents torn clothing, ripped fingers and arms. It stops flying broken splinters from keg heads causing injury to the face and eyes.

Keg heads are removable in less than a half minute without damage to the keg, the head, or the workman. No bent protruding nails are left inside of the keg to injure the hands or arms when contents are removed.

These E-Z Pull Nails are adaptable to other types of packages where it is desirable to have maximum safety and to re-use the crate or container. They are readily adaptable to the smallest or largest package.

Try these E-Z Pull Heading Nails at the next opportunity and see how easily they can solve your packing, crating or scaffolding nail problems.

CATALOG OF

AMERICAN NAILS WIRE BARBED WIRE STAPLES

TACKS
POULTRY NETTING
etc.

AMERICAN STEEL & WIRE COMPANY

UNITED STATES STEEL

W P Hartwood
W 9-13-39

All prices shown in this catalog are subject to change without notice.

Form 6032—Printed in U. S. A.

Foreword

For generations, American Steel and Wire Company has been producing nails of highest quality. Such present day nail features as "perfect analysis steel, sharp points and well centered, uniform, sturdy heads" have been built into American quality nails for many years. Progress, research, and development, especially in American Steel and Wire Company, has been constant, steady and outstanding, and today as for generations past, American nails have maintained their enviable reputation of leadership and highest quality.

AMERICAN STEEL & WIRE COMPANY
CLEVELAND · CHICAGO · NEW YORK
and All Principal Cities

USS UNITED STATES STEEL

INDEX

INDEX

Miscellaneous Nails and Brads in Packages

FLAT HEAD WIRE NAILS

in Orange and Black packages

WIRE BRADS

..in Green and Black packages.

LARGE MARKINGS . . . . . AT A GLANCE YOU DETERMINE BOTH SIZE and STYLE

List Prices of Miscellaneous Wire Nails and Wire Brads

Subject to change without notice.

Per Pound In 100-lb. Kegs

In ordering, state whether flat heads or brad heads are wanted.

3/16-Inch

No.	
20	$1.76
21	1.96
22	2.16
23	2.36
24	2.51

¼-Inch

No.	
19	$0.96
20	1.21
21	1.51
22	1.86
23	2.11
24	2.31
25	2.51
26	3.06

⅜-Inch

No.	
18	10.76
19	.86
20	.96
21	1.21
22	1.51
23	1.91
24	2.11
25	2.36
26	2.76

½-Inch

No.	
14	$0.51
15	.51
16	.51
17	.56
18	.61

½-Inch Continued

No.	
19	$0.71
20	.81
21	.96
22	1.21
23	1.61
24	1.86

⅝-Inch

No.	
12	$0.39
13	.39
14	.39
15	.41
16	.46
17	.48
18	.51
19	.61
20	.71
21	.81
22	1.06
23	1.41
24	1.61

¾-Inch

No.	
10	$0.32
11	.32
12	.32
13	.34
14	.34
15	.38
16	.39
17	.42
18	.48
19	.56
20	.66
21	.81

⅞-Inch

No.	
8	$0.29
9	.29
10	.29
11	.29
12	.29
13	.30
14	.31
15	.32
16	.35
17	.39
18	.41
19	.52
20	.63

1-Inch

No.	
7 to 12	$0.26
13	.27
14	.28
15	.29
16	.32
17	.36
18	.39
19	.49
20	.60

1⅛-Inch

No.	
7 to 12	$0.26
13	.27
14	.28
15	.28
16	.31
17	.36
18	.39
19	.49

1¼ and 1⅜-Inch

No.	
6 to 12	$0.25
13	.26
14	.27
15	.28
16	.30
17	.35

1½ and 1⅝-Inch

No.	
4 to 13	$0.25
14	.26
15	.27
16	.29
17	.34

1¾-Inch

No.	
4 to 13	$0.24
14	.25
15	.26
16	.28
17	.31

2-Inch

No.	
3 to 10	$0.23
11	.24
12	.24
13	.24
14	.24
15	.25
16	.26
17	.31

2¼-Inch

No.	
3 to 10	$0.23
11	.24
12	.24
13	.24
14	.25

2½-Inch

No.	
3 to 10	$0.22
11	.23
12	.23
13	.24

2¾-Inch

No.	
3 to 10	$0.22
11	.23
12	.23

3-Inch

No.	
3 to 10	$0.21
11	.22
12	.23

3¼-Inch

No.	
3 to 10	$0.21
11	.22
12	.23

3½-Inch

No.	
3 to 10	$0.21
11	.22

4-Inch

No.	
3 to 10	$0.21
11	.22

Extras to be Added to List Prices—Subject to Discount

Add to list 4 cents per pound for cement coating.
Add to list 3 cents per pound for barbing.
Add to list 3 cents per pound for annealing.
Add to list 3 cents per pound for bluing.
Add to list 3 cents per pound for Special Heads or Headless.
Add to list 3 cents per pound for Needle Points or any Special Points.
For lengths not listed, use list price for same gauge in nearest shorter length.
For nails, finer than full gauge, apply list price of same length in next finer gauge. For example, for No. 18½ gauge use No. 19, etc. Nails heavier than listed at special net prices, according to quantity. Galvanizing, tinning, brass plating, coppering nails, at special prices.

Packing Extras to be Added to List Prices Subject to Discount

50 lb. kegs	2 cents per pound
50 lb. wood or fibre boxes	2 cents per pound
25 lb. wood or fibre boxes	3 cents per pound
10 lb. and 15 lb. wood boxes	8 cents per pound
5 lb. wood boxes	18 cents per pound
10 lb. fibre package	5 cents per pound
5 lb. papers	6 cents per pound
1 lb. papers	12 cents per pound
½ lb. papers	15 cents per pound
¼ lb. papers	24 cents per pound

For Quantity Extras and Stock Items see following pages

Stock items of Bright Miscellaneous Wire Nails and Brads regularly furnished in any quantity—kegs, wooden boxes and papers.

BRIGHT—FLAT HEAD—SMOOTH WIRE NAILS—DIAMOND POINT

No.	3/8 x 21		5/8 x 18		3/4 x 16		5/8 x 14		3/4 x 12
21	1/2 x 21	No.	3/4 x 18		7/8 x 16		3/4 x 14		7/8 x 12
		18	7/8 x 18	No.	1 x 16		7/8 x 14		1 x 12
	3/8 x 20		1 x 18	16	1 1/8 x 16	No.	1 x 14	No.	1 1/4 x 12
	1/2 x 20		1 1/4 x 18		1 1/4 x 16	14	1 1/4 x 14	12	1 1/2 x 12
No.	5/8 x 20		1 1/2 x 18		1 1/2 x 16		1 1/2 x 14		1 3/4 x 12
20	3/4 x 20				1 3/4 x 16		1 3/4 x 14		2 x 12
	7/8 x 20		1/2 x 17		2 x 16		2 x 14		2 1/2 x 12
	1 x 20		5/8 x 17						3 x 12
			3/4 x 17		5/8 x 15		3/4 x 13		
	3/8 x 19		7/8 x 17		3/4 x 15		7/8 x 13	No.	2 x 11
	1/2 x 19	No.	7/8 x 17		7/8 x 15		1 x 13	11	2 1/2 x 11
No.	5/8 x 19	17	1 x 17	No.	1 x 15	No.	1 1/4 x 13		3 x 11
19	3/4 x 19		1 1/4 x 17	15	1 1/4 x 15	13	1 1/2 x 13		
	7/8 x 19		1 1/2 x 17		1 1/2 x 15		1 3/4 x 13	No.	2 x 10
	1 x 19		1 3/4 x 17		1 3/4 x 15		2 x 13	10	2 1/2 x 10
		No.	1/2 x 16		2 x 15		2 1/2 x 13		3 x 10
No.	3/8 x 18	16	5/8 x 16				3 x 13		
18	1/2 x 18								

BRIGHT—FLAT HEAD—SMOOTH NAILS—NEEDLE POINT

No.	3/8 x 21		1 x 19	No.	7/8 x 17		2 x 16	No.	1 1/4 x 14
21	1/2 x 21		3/8 x 18	17	1 x 17		3/4 x 15	14	1 1/2 x 14
	3/8 x 20		1/2 x 18		1 1/4 x 17		7/8 x 15		1 3/4 x 14
No.	1/2 x 20	No.	5/8 x 18		1 1/2 x 17	No.	1 x 15		2 x 14
20	5/8 x 20	18	3/4 x 18			15	1 1/4 x 15		2 1/2 x 14
	3/4 x 20		7/8 x 18		5/8 x 16		1 1/2 x 15		1 1/4 x 13
			1 x 18		3/4 x 16		1 3/4 x 15	No.	1 1/2 x 13
	3/8 x 19		1 1/4 x 18		7/8 x 16		2 x 15	13	1 3/4 x 13
	1/2 x 19			No.	1 x 16				2 x 13
No.	5/8 x 19	No.	1/2 x 17	16	1 1/4 x 16	No.	3/4 x 14		2 1/2 x 13
19	3/4 x 19	17	5/8 x 17		1 1/2 x 16	14	7/8 x 14		
	7/8 x 19		3/4 x 17		1 3/4 x 16		1 x 14		

BRIGHT—WIRE BRADS—DIAMOND POINT

No.		No.	3/4 x 19	No.	1 1/4 x 17		1 x 14		1 1/2 x 12
24	3/8 x 24	19	7/8 x 19	17	1 1/2 x 17		1 1/4 x 14		1 3/4 x 12
			1 x 19				1 1/2 x 14	No.	2 x 12
No.	3/8 x 22				5/8 x 16	No.	1 3/4 x 14	12	2 1/4 x 12
22	1/2 x 22		1/2 x 18		3/4 x 16	14	2 x 14		2 1/2 x 12
			5/8 x 18		7/8 x 16		2 1/4 x 14		2 3/4 x 12
No.	3/8 x 21		3/4 x 18	No.	1 x 16		2 1/2 x 14		3 x 12
21	1/2 x 21		7/8 x 18	16	1 1/4 x 16		3 x 14		
	3/4 x 21	No.	1 x 18		1 1/2 x 16			No.	2 x 11
		18	1 1/4 x 18		1 3/4 x 16		1 1/2 x 13	11	2 1/2 x 11
	3/8 x 20		1 1/2 x 18		2 x 16		1 3/4 x 13		3 x 11
No.	1/2 x 20					No.	2 x 13		
20	5/8 x 20		5/8 x 17		1 x 15	13	2 1/4 x 13		2 x 10
	3/4 x 20		3/4 x 17	No.	1 1/4 x 15		2 1/2 x 13	No.	2 1/2 x 10
		No.	7/8 x 17	15	1 1/2 x 15		3 x 13	10	3 x 10
No.	1/2 x 19	17	1 x 17		1 3/4 x 15				4 x 10
19	5/8 x 19				2 x 15				

BRIGHT—WIRE BRADS—NEEDLE POINT

No.	3/8 x 20		3/4 x 19		1 1/4 x 18	No.	5/8 x 16		1 1/4 x 16
20	1/2 x 20	No.	1/2 x 18	No.	5/8 x 17	16	3/4 x 16	No. 1	x 15
	5/8 x 20	18	5/8 x 18	17	3/4 x 17		7/8 x 16	15	1 1/4 x 15
	3/4 x 20		3/4 x 18		7/8 x 17	1	x 16		1 1/2 x 15
			7/8 x 18	1	x 17				
No.	1/2 x 19		1 x 18		1 1/4 x 17				
19	5/8 x 19								

All Other Sizes and Styles at Following Quantity Extras for Lots of Less Than 100 Pounds of an Item.

10 lbs. to 24 lbs., inc. ..... $1.50 per item
25 lbs. to 49 lbs., inc. ..... 1.25 per item
50 lbs. to 74 lbs., inc. ..... 1.00 per item
75 lbs. to 99 lbs., inc. ..... .75 per item

These extras apply over the 100 pound price.

On special items not carried in stock no orders for less than 10 pounds will be accepted.

Quantity Extras effective as of Oct. 30, 1931

Miscellaneous Wire Nails and Brads Tinned—Galvanized—Coppered Blued and Pearson (Cement) Coated

Brass Plated—Annealed

On items of less than 100 pounds, the following extras will be charged in addition to regular finishing extra. These are in addition to quantity extras quoted above.

1 to 4 pounds, inc. ..... $10.00 per 100 lbs.
5 to 9 pounds, inc. ..... 5.50 per 100 lbs.
10 to 19 pounds, inc. ..... 3.50 per 100 lbs.
20 to 24 pounds, inc. ..... 1.75 per 100 lbs.
25 to 49 pounds, inc. ..... 1.50 per 100 lbs.
50 to 99 pounds, inc. ..... 1.00 per 100 lbs.

Effective April 18, 1922

Effective December 1, 1927
Cancelling all previous issues

Extras on Standard Wire Nails in Kegs

Common Nails	
2d	$1.65
3d	1.15
4d	.80
5d	.70
6d	.60
7d	.55
8d	.50
9d	.45
10d	.40
12d	.35
16d	.30
20d	.25
30d	.25
40d	.25
50d	.25
60d	.25

Casing Nails	
2d	$1.70
3d	1.20
4d	1.05
5d	.95
6d	.70
7d	.55
8d	.60
9d	.55
10d	.50
12d	.45
16d	.40
20d	.30
30d	.30
40d	.30

Flooring Brads	
6d	$0.65
7d	.60
8d	.55
9d	.50
10d	.45
12d	.40
16d	.35
20d	.30

Boat Nails		
Bright		
	Light	Heavy
4d	$0.95	$0.95
6d	.80	.80
8d	.75	.75
10d	.70	.80
12d	.65	.75
16d	.60	.70
20d	.55	.65

Common Brads	
2d	$1.70
3d	1.20
4d	.85
5d	.75
6d	.65
7d	.60
8d	.55
9d	.50
10d	.45
12d	.40
16d	.35
20d	.30
30d	.30
40d	.30
50d	.30
60d	.30

Shingle Nails	
3d	$1.05
3½d	.85
4d	.80
5d	.70
6d	.65

Smooth Box Nails	
2d	$1.65
3d	1.15
4d	1.00
5d	.90
6d	.65
7d	.60
8d	.55
9d	.50
10d	.45
12d	.40
16d	.35
20d	.25
50d	.25
40d	.25

Siding Nails
Same advance as Smooth Box Nails

Slating Nails	
2d	$1.20
3d	1.00
4d	.85
5d	.75
6d	.65

Barbed Roofing Nails	
Regular Head	
¾-inch	$1.55
⅞-inch	1.30
1 -inch	1.20
1⅛-inch	1.10
1¼-inch	.95
1⅜-inch	.90
1½-inch	.80
1¾-inch	.75
2 -inch	.65

Fence Nails	
5d	$0.60
6d	.55
7d	.45
8d	.45
9d	.40
10d	.40
12d	.35
16d	.30
20d	.25

Hinge Nails		
Bright		
	Light	Heavy
4d	$0.95	$0.95
6d	.80	.80
8d	.75	.75
10d	.70	.80
12d	.65	.75
16d	.60	.70
20d	.55	.65

Finishing Nails	
2d	$2.25
3d	1.60
4d	1.45
5d	1.35
6d	.80
7d	.75
8d	.65
9d	.60
10d	.55
12d	.50
16d	.45
20d	.35

Fine Nails	
2d	$2.20
2d Extra	2.40
3d	1.60
3d Extra	2.15

Clinch Nails	
Bright	
2d	$1.55
3d	1.35
4d	1.10
5d	1.00
6d	.90
7d	.85
8d	.80
9d	.75
10d	.70
12d	.65
16d	.60
20d	.55

Barbed Car Nails		
Bright		
	Light	Heavy
4d	$1.05	$0.95
5d	.85	.80
6d	.80	.75
7d	.70	.70
8d	.70	.70
9d	.65	.65
10d	.65	.65
12d	.60	.60
16d	.55	.55
20d	.50	.50
30d	.50	.50
40d	.50	.50
50d	.50	.50
60d	.50	.50

Clout Nails	
Bright	
¾-inch	$2.40
⅞-inch	1.75
1 -inch	1.55
1⅛-inch	1.50
1¼-inch	1.35
1⅜-inch	1.25
1½-inch	1.20

Barbed Dowel Pins					
	No. 8	No. 9	No. 10	No. 11	No. 12
⅝-in.	$1.75	$1.90	$2.00	$2.20	$2.45
¾-in.	1.50	1.65	1.75	1.90	2.15
⅞-in.	1.35	1.50	1.60	1.75	2.00
1 -in.	1.25	1.40	1.50	1.65	1.90
1⅛-in.	1.15	1.30	1.40	1.50	1.75
1¼-in.	1.10	1.25	1.35	1.45	1.70
1⅜-in.	1.05	1.20	1.30	1.40	1.65
1½-in.	1.00	1.15	1.25	1.35	1.60
1¾-in.	.95	1.10	1.20	1.30	1.55
1¾-in.	.90	1.05	1.15	1.25	1.50
2 -in.	.85	1.00	1.10	1.20	1.45

Sterilized Blued Lath Nails	
2d	$2.55
2d Light	2.75
3d	1.95
3d Light	2.50

Barrel Nails	
⅝-inch	$2.45
¾-inch	2.10
⅞-inch	1.45
1 -inch	1.25
1⅛-inch	1.20
1¼-inch	1.15
1⅜-inch	.95
1½-inch	.90

Berry Box Nails		
Smooth		
	No. 16	No. 17
¾-in.	$2.80	$3.00
⅞-in.	2.55	2.75
1 -in.	2.35	2.55
1⅛-in.	2.30	2.50
1¼-in.	2.25	2.45

Spikes	
10d	$0.40
12d	.35
16d	.30
20d	.25
30d	.25
40d	.25
50d	.25
60d	.25
7-inch	.35
8-inch	.35
9-inch	.35
10-inch	.45
12-inch	.45

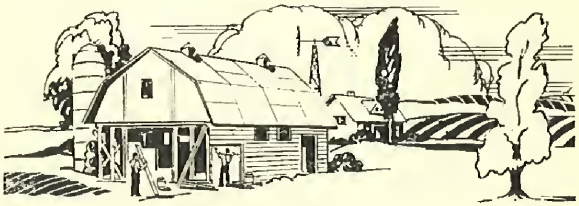
Special Extras on Standard Wire Nails

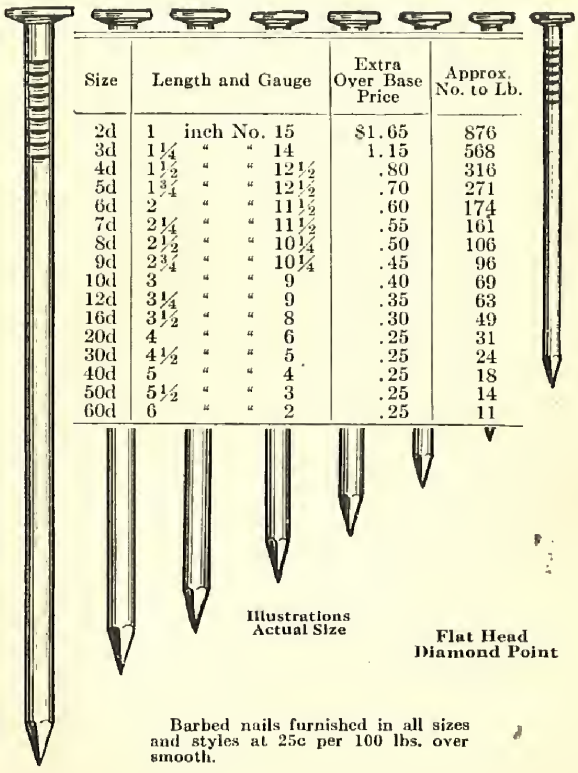
(Except as provided above)

Annealed Nails, 25c per 100 lbs extra.
Blued Nails, 35c per 100 lbs. extra.
Barbing Nails, 25c per 100 lbs.
Special Heads, 15c per 100 lbs. extra.
Special Points, 15c per 100 lbs. extra.
Galvanizing, prices on application.
Pearson (Cement) Coating 25c per 100 lbs. extra.

Additional charge over regular finishing extras is made for Annealing, Blueing, Galvanizing, Tinning, etc., on quantities of less than 100 pounds.

Common Nails





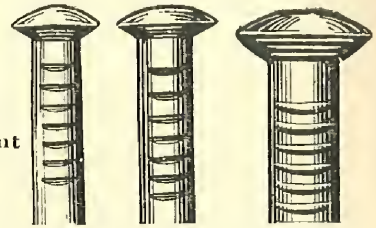
Size	Length and Gauge	Extra Over Base Price	Approx. No. to Lb.
2d	1 inch No. 15	$1.65	876
3d	1¼ " " 14	1.15	568
4d	1½ " " 12½	.80	316
5d	1¾ " " 12½	.70	271
6d	2 " " 11½	.60	174
7d	2¼ " " 11½	.55	161
8d	2½ " " 10¼	.50	106
9d	2¾ " " 10¼	.45	96
10d	3 " " 9	.40	69
12d	3¼ " " 9	.35	63
16d	3½ " " 8	.30	49
20d	4 " " 6	.25	31
30d	4½ " " 5	.25	24
40d	5 " " 4	.25	18
50d	5½ " " 3	.25	14
60d	6 " " 2	.25	11

Illustrations Actual Size

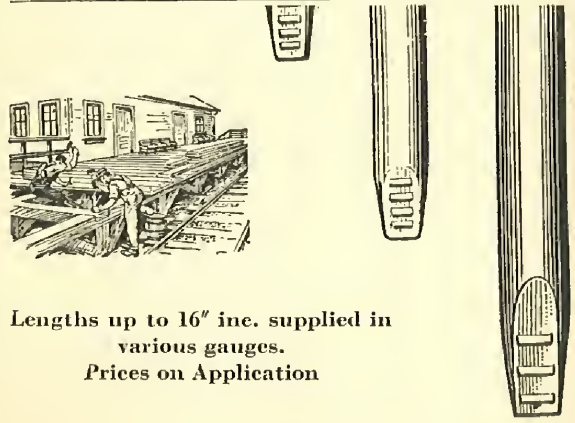
Flat Head Diamond Point

Barbed nails furnished in all sizes and styles at 25c per 100 lbs. over smooth.

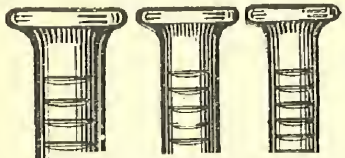
Round Wire Spikes
Countersunk
Oval Head, Chisel Point



Length and Gauge	Extra Over Base Price	Degree of Countersunk	Head Rad.	Dia. Head	Approx. No. to Pound
3 inch No. 6	$0.40	123	7/16	13/32	41
3¼ " " 6	.35				38
3½ " " 5	.30	123	7/16	7/16	30
4 " " 4	.25	123	7/16	15/32	23
4½ " " 3	.25	123	7/16	1/2	17
5 " " 2	.25	123	7/16	17/32	13
5½ " " 1	.25				10
6 " " 1	.25	123	7/16	9/16	9
7 " 5/16 inch	.25	123	5/8	5/8	6
8 " 3/8 "	.35	123	3/4	3/4	4
9 " 3/8 "	.35				3½
10 " 3/8 "	.45				3
12 " 3/8 "	.45				2½

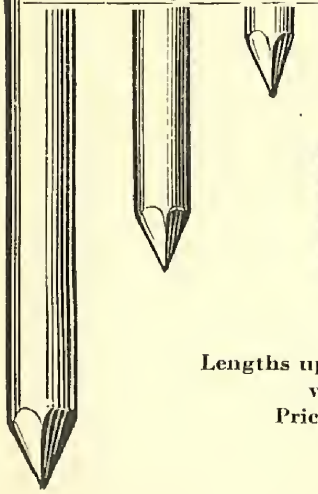


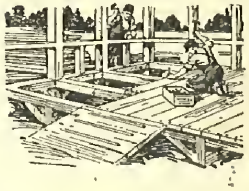
Lengths up to 16″ inc. supplied in various gauges.
Prices on Application



Round Wire Spikes
Flat Head, Diamond Point

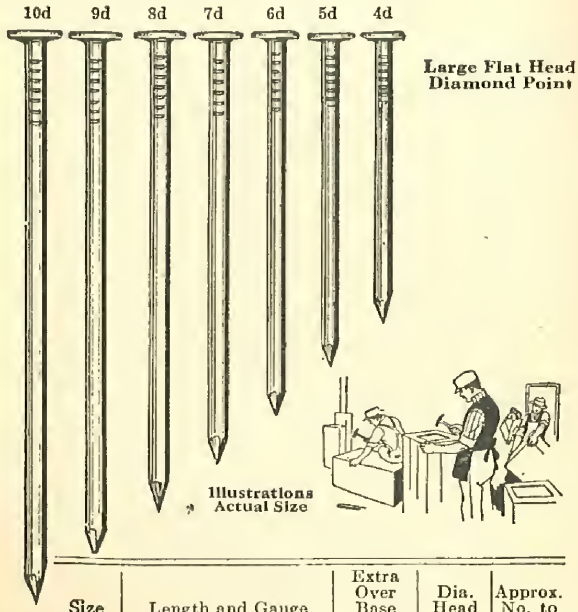
Length and Gauge	Extra Over Base Price	Degree of Countersunk	Diam. Head	Approx. No. to Pound
3 inch No. 6	$0.40	123	13/32	41
3¼ " " 6	.35			38
3½ " " 5	.30	123	7/16	30
4 " " 4	.25	123	15/32	23
4½ " " 3	.25	123	1/2	17
5 " " 2	.25	123	17/32	13
5½ " " 1	.25			10
6 " " 1	.25	123	9/16	9
7 " 5/16 inch	.25	123	5/8	6
8 " 3/8 "	.35	123	3/4	4
9 " 3/8 "	.35			3½
10 " 3/8 "	.45			3
12 " 3/8 "	.45			2½





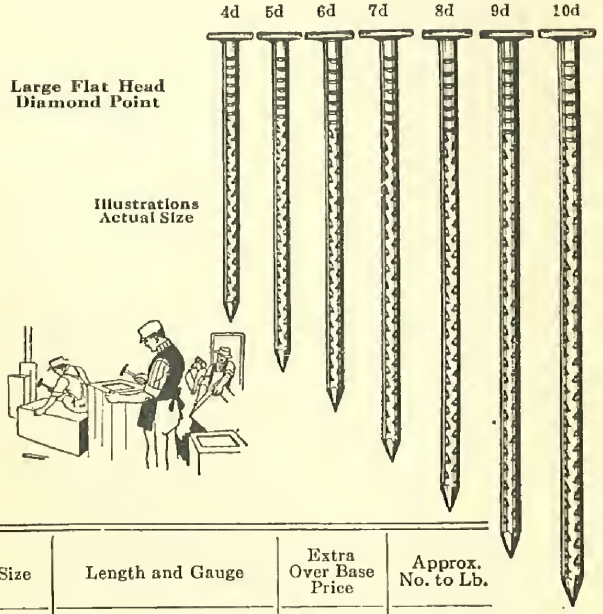
Lengths up to 16″ inc. supplied in various gauges.
Prices on Application

Smooth Box Nails



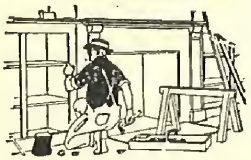
Size	Length and Gauge	Extra Over Base Price	Dia. Head	Approx. No. to Lb.
2d	1 inch No. 15½	$1.65	3/16	1010
3d	1¼ " " 14½	1.15	7/32	635
4d	1½ " " 14	1.00	7/32	473
5d	1¾ " " 14	.90	7/32	406
6d	2 " " 12½	.65	17/64	236
7d	2¼ " " 12½	.60	17/64	210
8d	2½ " " 11½	.55	19/64	145
9d	2¾ " " 11½	.50	19/64	132
10d	3 " " 10½	.45	5/16	94
12d	3¼ " " 10½	.40	5/16	88
16d	3½ " " 10	.35	11/32	71
20d	4 " " 9	.25	3/8	52
30d	4½ " " 9	.25	3/8	46
40d	5 " " 8	.25	13/32	35

Barbed Box Nails



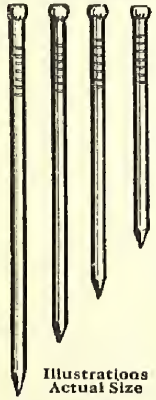
Size	Length and Gauge	Extra Over Base Price	Approx. No. to Lb.
2d	1 inch No. 15½	$1.90	1010
3d	1¼ " " 14½	1.40	635
4d	1½ " " 14	1.25	473
5d	1¾ " " 14	1.15	406
6d	2 " " 12½	.90	236
7d	2¼ " " 12½	.85	210
8d	2½ " " 11½	.80	145
9d	2¾ " " 11½	.75	132
10d	3 " " 10½	.70	94
12d	3¼ " " 10½	.65	88
16d	3½ " " 10	.60	71
20d	4 " " 9	.50	52
30d	4½ " " 9	.50	46
40d	5 " " 8	.50	35

Casing Nails



Deep Countersunk Head, Diamond Point

Size	Length and Gauge	Extra Over Base Price	Degree of Countersunk	Dia. Head Ga.	Apprx. No.to Lb.
2d	1 inch No. 15½	$1.70	32	12½	1010
3d	1¼ " " 14½	1.20	32	11½	635
4d	1½ " " 14	1.05	32	11	473
5d	1¾ " " 14	.95	32	11	406
6d	2 " " 12½	.70	32	9½	236
7d	2¼ " " 12½	.65	32	9½	210
8d	2½ " " 11½	.60	32	8½	145
9d	2¾ " " 11½	.55	32	8½	132
10d	3 " " 10½	.50	32	7½	94
12d	3¼ " " 10½	.45	32	7½	87
16d	3½ " " 10	.40	32	7	71
20d	4 " " 9	.30	32	6	52
30d	4½ " " 9	.30	32	6	46
40d	5 " " 8	.30	32	5	35



Illustrations Actual Size

Finishing Nails

Brad Head, Diamond Point

Size	Length and Gauge	Extra Over Base Price	Dia. Head Ga.	Approx. No. to Lb.
2d	1 inch No. 16½	$2.25	13½	1351
3d	1¼ " " 15½	1.60	12½	807
4d	1½ " " 15	1.45	12	584
5d	1¾ " " 15	1.35	12	500
6d	2 " " 13	.80	10	309
7d	2¼ " " 13	.75	10	238
8d	2½ " " 12½	.65	9½	189
9d	2¾ " " 12½	.60	9½	172
10d	3 " " 11½	.55	8½	121
12d	3¼ " " 11½	.50	8½	113
16d	3½ " " 11	.45	8	90
20d	4 " " 10	.35	7	62

Kuphed style furnished on Casing and Finishing Nails unless otherwise specified.

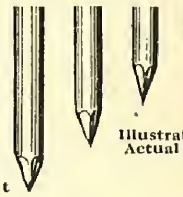
Flooring Brads

See Page 28 for Special Flooring Nails

Deep Countersunk Head Diamond Point

Size	Length and Gauge	Extra Over Base Price	Deg. C's'k	Diam. Head. Gauge	Approximate No.toLb.
3d	2 inch No. 11	$0.65	32	6	157
7d	2¼ " " 11	.60	32	6	139
8d	2½ " " 10	.55	32	5	99
9d	2¾ " " 10	.50	32	5	90
10d	3 " " 9	.45	32	4	69
12d	3¼ " " 8	.40	32	3	54
16d	3½ " " 7	.35	32	2	43
20d	4 " " 6	.30	32	1	31

Barbed nails furnished in all sizes and styles at 25c per 100 lbs. over smooth.



Illustrations Actual Size

Common Brads

Brad Head Diamond Point

Size	Length of Gauge	Extra Over Base Price	Diam. Head. Gauge	Approx. No.toLb.
2d	1 inch No. 15	$1.70	12	876
3d	1¼ " " 14	1.20	11	568
4d	1½ " " 12½	.85	9½	316
5d	1¾ " " 12½	.75	9½	271
6d	2 " " 11½	.65	8½	181
7d	2¼ " " 11½	.60	8½	161
8d	2½ " " 10¼	.55	7	106
9d	2¾ " " 10¼	.50	7	96
10d	3 " " 9	.45	6	69
12d	3¼ " " 9	.40	6	64
16d	3½ " " 8	.35	5	49
20d	4 " " 6	.30	3	31
30d	4½ " " 5	.30	2	24
40d	5 " " 4	.30	1	18
50d	5½ " " 3	.30	0	16
60d	6 " " 2	.30	00	11

Kuphed Flooring Nails and Common Brads furnished on request at no extra charge. See page 36.

Clout Nails

Flat Head Duck Bill Point

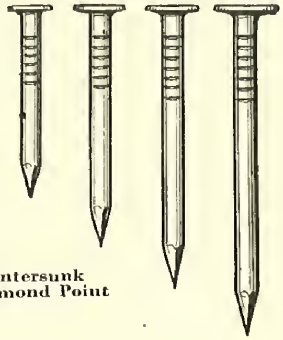
Length	Gauge No.	Extra over Base Price		Approx. No. to Lb.
		Annealed	Bright	
¾ in.	15	$2.65	$2.40	1160
⅞ in.	14	2.00	1.75	808
1 in.	14	1.80	1.55	705
1⅛ in.	14	1.75	1.50	628
1¼ in.	13	1.60	1.35	423
1⅜ in.	13	1.50	1.25	390
1½ in.	13	1.45	1.20	350

Side view showing thickness of point

Side view showing width of point

Illustrations Actual Size

Slating Nails



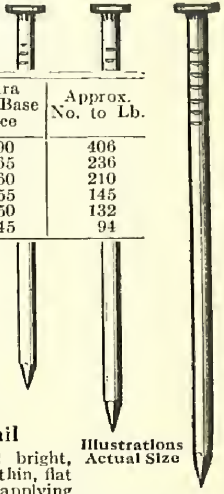
Slightly Countersunk Flat Head, Diamond Point

Illustrations Actual Size

Size	Length and Gauge	Extra Over Base Price Bright	Deg. of Countersunk	Diam. Head	Approx. No. to Lb. Bright
2d	1 inch No. 12	$1.20	145	5/16	411
3d	1¼ " " 10½	1 00	145	3/8	225
4d	1½ " " 10½	.85	145	3/8	187
5d	1¾ " " 10	.75	145	13/32	142
6d	2 " " 9	.65	145	7/16	103

Siding Nails

Flat Head—Diamond Point



Size	Length and Gauge	Extra Over Base Price	Approx. No. to Lb.
5d	1¾ inch No. 14	$0.90	406
6d	2 " " 12½	.65	236
7d	2¼ " " 12½	.60	210
8d	2½ " " 11½	.55	145
9d	2¾ " " 11½	.50	132
10d	3 " " 10½	.45	94

Illustrations Actual Size

10d

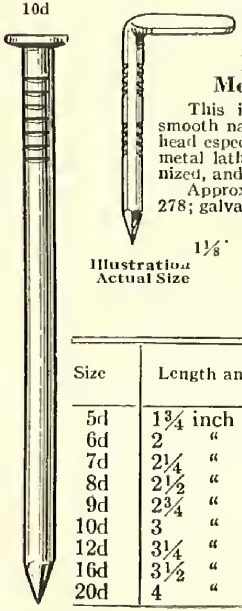


Illustration Actual Size

Hook Head Metal Lath Nail

This is a 1⅛ x 12 bright, smooth nail with a long thin, flat head especially suited for applying metal lath. Can also be furnished blued, galvanized, and in other lengths.

Approximate count per pound, blued or bright, 278; galvanized, 213.

		Extra, over base per 100 lbs.		
		Bright	Blued	Galvanized
1⅛"	No. 12	$2.95	$3.30	$4.95

Illustration Actual Size

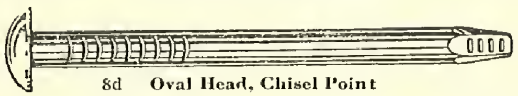
Fence Nails

Size	Length and Gauge	Extra Over Base Price	Diam. Head	Approx. No. to Lb.
5d	1¾ inch No. 10	$0.60	9/32	142
6d	2 " " 10	.55	9/32	124
7d	2¼ " " 9	.45	5/16	92
8d	2½ " " 9	.45	5/16	82
9d	2¾ " " 8	.40	11/32	62
10d	3 " " 7	.40	3/8	50
12d	3¼ " " 6	.35	13/32	40
16d	3½ " " 5	.30	7/16	30
20d	4 " " 4	.25	15/32	23

Illustration Actual Size

Hinge Nails

In ordering specify whether Oval or Countersunk Head, Light or Heavy, Annealed or Bright

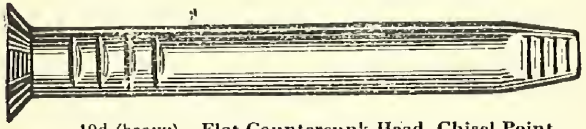


8d **Oval Head, Chisel Point**

Light Hinge Nails

Bright

Size	Length and Gauge	Extra over Base Price	Deg. Csk.	Dia. Head	Approx. No. to Lb.
4d	1½ inch No. 5/16	$0.95	95	15/32	82
6d	2 inch No. 5/16	.80	95	15/32	62
8d	2½ inch No. 5/16	.75	95	15/32	50
10d	3 inch No. 1/4	.70	95	1/2	25
12d	3¼ inch No. 1/4	.65	95	1/2	23
16d	3½ inch No. 1/4	.60	95	1/2	22
20d	4 inch No. 1/4	.55	95	1/2	19



10d (heavy) **Flat Countersunk Head, Chisel Point**

Heavy Hinge Nails

Bright

Size	Length and Gauge	Extra over Base Price	Deg. Csk.	Dia. Head	Approx. No. to Lb.
4d	1½ inch No. 1/4	$0.95	95	1/2	50
6d	2 inch No. 1/4	.80	95	1/2	38
8d	2½ inch No. 1/4	.75	95	1/2	30
10d	3 inch 3/16 inch	.80	95	3/4	12
12d	3¼ inch 3/16 inch	.75	95	3/4	11
16d	3½ inch 3/16 inch	.70	95	3/4	10
20d	4 inch 3/16 inch	.65	95	3/4	9

Annealed nails 25c per 100 pounds advance.

Smooth Foundry Nails

Large Flat Head, Diamond Point

These nails are made of Nos. 8, 9, and 10 gauge wire, with ½-inch diameter heads; also made of No. 11 gauge wire, with 7/16-inch diameter heads, in lengths ¾ inch and longer.

Extras Per 100 Lbs. over Base—in Kegs
Smooth Foundry Nails

	No. 8 ½ in. Hd.	No. 9 ½ in. Hd.	No. 10 ½ in. Hd.	No. 11 7/16 in. Hd.
¾ inch	$1.35	$1.45	$1.50	$1.55
⅞ inch	1.25	1.35	1.40	1.45
1 inch	1.15	1.25	1.30	1.35
1⅛ inch	1.10	1.20	1.25	1.30
1¼ inch	1.05	1.15	1.20	1.25
1½ inch	1.00	1.10	1.15	1.20
1¾ inch	1.00	1.10	1.15	1.20
2 inch	1.20	1.25	1.35	1.45
2¼ inch	1.15	1.20	1.30	1.40
2½ inch	1.15	1.20	1.30	1.40
2¾ inch	1.10	1.15	1.25	1.35
3 inch and longer	1.05	1.10	1.20	1.30

See American Felt Roofing Nails on page 32. These have unusually large head for special chill work in foundries.

Flat Head Diamond Point

Illustrations Actual Size

Broom Nails

Flat Head Diamond Point

Are usually ⅝ inch or ¾ inch long, made from No. 14 or No. 15 gauge wire, with smooth flat or flat star heads, diamond point.

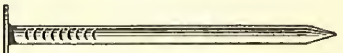
Extra Over Base Price

⅝ x 14 . . . $2.20 ¾ x 14 . . . $1.85
⅝ x 15 . . . 2.60 ¾ x 15 . . . 2.25

Size of Head: No. 15-No. 5 gauge
No. 14-7/16 Inch

American Wood Shingle Nails

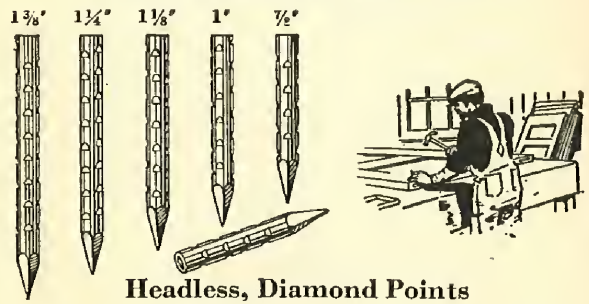
Hot Galvanized-Zinc Coated—5d, 1¾″; 13 ga., ¼″ Head



Especially adapted for laying new wood shingles over old shingles or roofing. Just the proper thickness to prevent splitting of shingles and right length to insure good holding power without projecting through roofing boards. Hot Zinc Coated to give long life.

Advance over base $0.95, subject to extra for galvanizing.

Kuphed Barbed Dowel Pins



Headless, Diamond Points

Size	Extra Over Base Price				
	No. 8	No. 9	No. 10	No. 11	No. 12
⅝ inch	$1.75	$1.90	$2.00	$2.20	$2.45
¾ "	1.50	1.65	1.75	1.90	2.15
⅞ "	1.35	1.50	1.60	1.75	2.00
1 "	1.25	1.40	1.50	1.65	1.90
1⅛ "	1.15	1.30	1.40	1.50	1.75
1¼ "	1.10	1.25	1.35	1.45	1.70
1⅜ "	1.05	1.20	1.30	1.40	1.65
1½ "	1.00	1.15	1.25	1.35	1.60
1⅝ "	.95	1.10	1.20	1.30	1.55
1¾ "	.90	1.05	1.15	1.25	1.50
2 "	.85	1.00	1.10	1.20	1.45

Size	Approx. No. to Lb.				
	No. 8	No. 9	No. 10	No. 11	No. 12
⅝ inch	290	404	486	588	804
¾ "	250	336	390	480	616
⅞ "	210	281	330	400	544
1 "	190	235	277	349	484
1⅛ "	165	212	251	305	420
1¼ "	150	187	221	267	352
1⅜ "	130	169	200	239	324
1½ "	120	154	181	221	308
1⅝ "	110	141	167	208	275
1¾ "	100	130	154	195	256
2 "	90	111	131	164	210

Kuphed dowel pins will be furnished unless plain head is specified.

American Special Plaster Board Nail

Blued

Large heads, so the nails will have ample holding power and cover sufficient surface of the board to prevent pulling through.

Long Diamond Point, permits the nails to cut through the boards readily without damage to the composition plaster.

Blued, so they can be fed from the mouth without danger to health. Bluing process makes the nails free from injurious substances or atmospheric conditions.

Packed in paper lined kegs to insure delivery of clean—sanitary product.

Great care is used to secure heads of proper size, sharp points and uniform length and gauge.

Blued, Large Flat Head, Long Diamond Point, Smooth Nail, 5/16" Head.

Net extra over base

Sizes	Price	Count	Sizes	Price	Count
1" No. 13	$2.35	469	1½" No. 13	$2.00	339
1⅛" " 13	2.20	418	1¾" " 13	1.90	291
1¼" " 13	2.10	397			

(Note:—Advances include all features.)

Cork Insulation Nails

Hot Galvanized-Zinc Coated

These nails are especially adapted for fastening cork and similar insulations, especially in large built-in refrigerator rooms.

They are usually ordered in lengths from 3 to 10 inches and regularly No. 9 gauge. Heads 9/16" diameter, regular diamond points. Other gauges can be supplied.

Advance over base same as Foundry Nails.

Subject to extra for galvanizing.

American Red Cedar Shingle Nails

Hot Galvanized-Zinc Coated

These nails conform fully to the specifications of the Red Cedar Shingle Bureau as regards length, gauge, galvanizing, heads, and points. They are especially adapted to Red Cedar Shingles both for new and old roofs.

		Gauge	Head	Approx. Number per Lb.	Advance Over Base for Size per 100 Lbs.
FOR NEW ROOFS					
16″ and 18″ Shingles	3d...1¼″	14½	7/32	600	$1.15
24″ Shingles	4d...1½″	14	7/32	450	1.00
OVER OLD ROOFS					
16″ and 18″ Shingles	5d...1¾″	14	7/32	350	.90
24″ Shingles	6d...2″	13	7/32	200	.80

Subject to extra for galvanizing.

Peerless Cut Shingle Nails

Made in sizes 2d, 2½d and 3d, Hot Galvanized-Zinc Coated. They embody all of the desirable features of the Wire Nail as well as those of the old style Cut Nail.

Recommended by the Red Cedar Shingle Bureau for applying Red Cedar Shingles.

Prices on application.

American Ideal Shingle Nail

Hot Galvanized-Zinc Coated

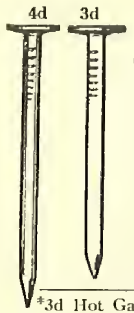
¼″ Large Flat Head, Blunt or Sharp Diamond Point

The American Shingle Nail offers many advantages. Its Special Blunt Diamond Point cuts cleanly through the wood without splitting. Made of hard and constantly uniform steel, it provides great resistance to bending, saves time and reduces labor. A heavy covering of hot zinc gives the most efficient protection against rust and corrosion.

These nails will positively not split the shingles.

Size	Length	Gauge	Approx. Count Per Lb. Galv.	Extra Over Base Bright
3d	1¼	14	466	$1.45
3½d	1⅜	14	436	1.35
4d	1½	13	313	1.20

Subject to Extra for Galvanizing.



Shingle Nails

Bright or Hot Galvanized-Zinc Coated

Size	Length and Gauge	Extra Over Base Price Bright	Diam. Head	Approx. No. to Lb. Bright
3d	1¼ inch No. 13	$1.05	¼	420
3½d	1⅜ " " 12½	.85	9/32	315
4d	1½ " " 12	.80	9/32	274
5d	1¾ " " 12	.70	9/32	235
6d	2 " " 12	.65	9/32	204

*3d Hot Galvanized-Zinc Coated COMMON NAILS are sometimes used for shingling. Be sure to specify which style is wanted.

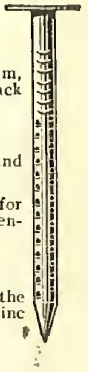
American Zinc Coated Asbestos

Barbed Shingle Nails

Hot Galvanized-Zinc Coated

Large Flat Head, Needle Point

A rust-resisting permanence in asbestos shingle roofing



HEAD—13/32 in. diameter Extra Large Flat Head—uniform, well centered, smooth underneath head—no fins to crack asbestos shingles or make nail hole larger.

POINT—Easy driving with sharp Needle Points.

BARBED—Shank of Nail barbed to insure good grip and holding power.

LENGTHS—1 inch to 2 inches inclusive—Short lengths for applying direct to roof decks. Longer lengths for fastening over old wooden shingles.

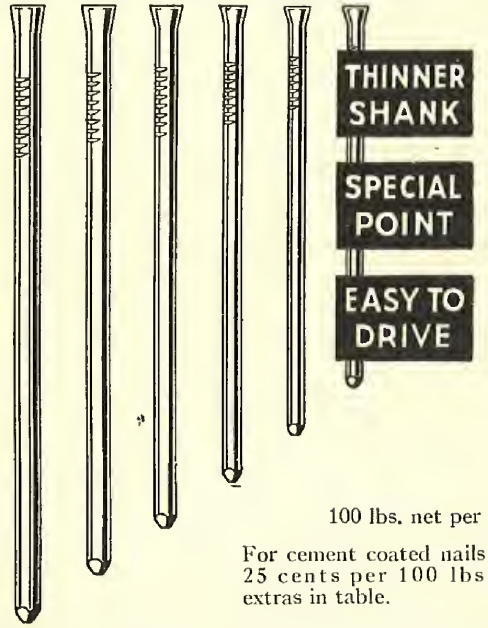
GAUGE—No. 11½. Just the proper thickness.

ZINC COATING—Hot Galvanized-Zinc Coated Nails—as the name implies, galvanized by the Hot Galvanized-Zinc Coat Process.

Length	Advance for Size Subject to charge for galvanizing	COUNT PER LB. Bright	Galv.
1″	$1.75	316	276
1⅛″	1.75	281	252
1¼″	1.65	261	233
1½″	1.60	219	198
1¾″	1.60	190	173
2″	1.55	170	154

American Ideal Flooring Brads

These brads with their scientifically designed points and slim shanks save time and money on hard wood flooring jobs. Points are so designed as to cut clean and true without splitting the flooring. Special stiff wire is used to resist bending.



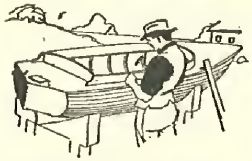
100 lbs. net per keg.

For cement coated nails add 25 cents per 100 lbs. to extras in table.

Size	Length	Gauge	Count per Pound	Extras Over Base Price
3d	1¼″	14½	650	$1.55
4d	1½″	14	468	1.40
5d	1¾″	14	400	1.30
6d	2″	12½	233	1.05
7d	2¼″	12	176	1.00
8d	2½″	11½	137	.95
9d	2¾″	11	114	.90
10d	3″	10½	92	.85
12d	3¼″	10	76	.80
16d	3½″	9	57	.70
20d	4″	8	42	.65

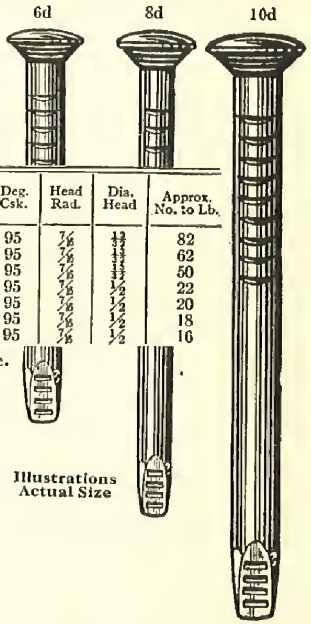
Boat Nails

Oval Countersunk Head, Chisel Point



Light Boat Nails

Bright

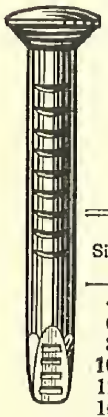


Size	Length and Gauge	Extra over Base Price	Deg. Csk.	Head Rad.	Dia. Head	Approx. No. to Lb.
4d	1½ inch No. 3/16	$0.95	95	7/16	11/32	82
6d	2 " " 3/16	.80	95	7/16	11/32	62
8d	2½ " " 3/16	.75	95	7/16	11/32	50
10d	3 " " 3/16	.70	95	7/16	11/32	22
12d	3¼ " " 1/4	.65	95	7/16	1/2	20
16d	3½ " " 1/4	.60	95	7/16	1/2	18
20d	4 " " 1/4	.55	95	7/16	1/2	16

Annealed nails 25c per 100 pounds advance.

Heavy Boat Nails

Bright

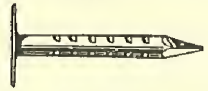


Illustrations Actual Size

Size	Length and Gauge	Extra over Base Price	Deg. Csk.	Head Rad.	Dia. Head	Approx. No. to Lb.
4d	1½ inch No. 1/4	$0.95	95	7/16	1/2	44
6d	2 " " 1/4	.80	95	7/16	1/2	32
8d	2½ " " 1/4	.75	95	7/16	1/2	26
10d	3 " " 3/8	.80	95	7/16	3/4	14
12d	3¼ " " 3/8	.75	95	7/16	3/4	13
16d	3½ " " 3/8	.70	95	7/16	3/4	12
20d	4 " " 3/8	.65	95	7/16	3/4	10

Annealed nails 25c per 100 pounds advance.

Large Head Barbed Roofing Nails
Diamond Points, Bright or Hot Galvanized



Extras per 100 Lbs. over Base

	No. 8	No. 9	No. 9½	No. 10	No. 10½	No. 10	No. 11	No. 12
	½ in. Head	½ in. Head	½ in. Head	7/16 in. Head	7/16 in. Head	½ in. Head	7/16 in. Head	⅜ in. Head
¾ in.	$1.40	$1.50	$1.55	$1.55	$1.65	$1.65	$1.70	$1.80
⅞ in.	1.30	1.40	1.45	1.45	1.55	1.55	1.60	1.70
1 in.	1.20	1.30	1.35	1.35	1.45	1.45	1.50	1.60
1⅛ in.	1.15	1.25	1.30	1.30	1.40	1.40	1.45	1.55
1¼ in.	1.10	1.20	1.25	1.25	1.35	1.35	1.40	1.50
1½ in.	1.05	1.15	1.20	1.20	1.30	1.30	1.35	1.45
1¾ in.	1.00	1.10	1.15	1.15	1.25	1.25	1.30	1.40
2 in.	1.00	1.10	1.15	1.15	1.25	1.25	1.30	1.40

Subject to charge for galvanizing.

Approximate Count Per Pound
Bright

Length	½ Inch Head				7/16 Inch Head			⅜ In. Head
	8 Ga.	9 Ga.	9½ Ga.	10 Ga.	10 Ga.	10½ Ga.	11 Ga.	12 Ga.
¾ in.	194	226	258	288	308	327	346	460
⅞ "	170	200	228	252	266	286	307	400
1 "	152	178	202	220	232	253	275	355
1⅛ "	135	160	182	197	208	225	245	324
1¼ "	122	144	166	178	190	205	221	296
1½ "	103	122	140	153	160	174	188	248
1⅝ "	96	113	130	141	148	162	176	232
1¾ "	90	106	121	131	137	150	162	216
2 "	79	100	107	117	120	131	142	193

Galvanized

Length	½ Inch Head				7/16 Inch Head			⅜ In. Head
	8 Ga.	9 Ga.	9½ Ga.	10 Ga.	10 Ga.	10½ Ga.	11 Ga.	12 Ga.
¾ in.	185	206	223	238	249	317	338	418
⅞ "	161	186	200	212	224	274	296	362
1 "	142	166	182	190	202	236	256	316
1⅛ "	126	149	164	172	184	205	222	276
1¼ "	114	135	149	156	167	181	197	250
1½ "	97	115	126	132	140	152	163	209
1⅝ "	91	107	118	124	130	141	152	197
1¾ "	85	102	111	116	122	132	142	185
2 "	74	96	100	103	110	117	128	171

Ideal Roofing Nails
For All Kinds of Smooth, Asbestos and Grit Surfaced Roofing and Shingles

This Ideal Roofing Nail is the result of a close study of trade requirements over a long period of years. Heads are large and checkered, uniform and well centered. The shank is built right—not too thick to split the wood nor too thin to break, bend or rust out quickly. The sharp points enable the roofer to do his work better and easier in considerably less time.

Extras Per 100 Lbs.
Bright

	No. 10 ⅝" Hd.		No. 10½ 9/16" Hd.		No. 11 ½" Hd.		No. 11 9/16" Hd.		No. 12 7/16" Hd.		No. 12 ½" Hd.	
	Smooth	Barbed	Smooth	Barbed	Smooth	Barbed	Smooth	Barbed	Smooth	Barbed	Smooth	Barbed
¾"	2.30	2.55	2.45	2.65	2.60	2.85	2.75	3.00	2.90	3.15	3.05	3.30
⅞"	2.00	2.25	2.10	2.35	2.30	2.55	2.45	2.70	2.60	2.85	2.75	3.00
1"	1.80	2.05	1.90	2.15	2.10	2.35	2.25	2.50	2.40	2.65	2.55	2.80
1⅛"	1.75	2.00	1.85	2.10	2.05	2.30	2.20	2.45	2.35	2.60	2.50	2.75
1¼"	1.70	1.95	1.80	2.05	2.00	2.25	2.15	2.40	2.30	2.55	2.45	2.70
1½"	1.65	1.90	1.75	2.00	1.95	2.20	2.10	2.35	2.25	2.50	2.40	2.65
1¾"	1.60	1.85	1.70	1.95	1.90	2.15	2.05	2.30	2.20	2.45	2.35	2.60
2"	1.60	1.85	1.70	1.95	1.90	2.15	2.05	2.30	2.20	2.45	2.35	2.60

Subject to charge for galvanizing.

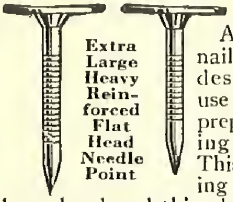
Approximate Count Per Pound
Bright

Length	10 Ga. ⅝" Hd.	10½ Ga. 9/16" Hd.	11 Ga. ½" Hd.	11 Ga. 9/16" Hd.	12 Ga. 7/16" Hd.	12 Ga. ½" Hd.
¾ inch	210	230	265	245	360	355
⅞ "	200	215	242	236	328	320
1 "	176	198	220	200	300	282
1⅛ "	160	179	199	190	274	248
1¼ "	144	166	186	180	250	233
1½ "	130	145	161	164	220	218
1¾ "	116	126	142	128	189	184
2 "	103	112	125	116	176	172

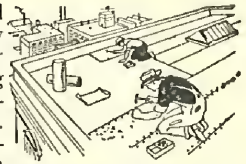
Galvanized

Length	10 Ga. ⅝" Hd.	10½ Ga. 9/16" Hd.	11 Ga. ½" Hd.	11 Ga. 9/16" Hd.	12 Ga. 7/16" Hd.	12 Ga. ½" Hd.
¾ inch	190	202	240	220	322	295
⅞ "	180	198	227	205	309	285
1 "	160	174	204	187	269	269
1⅛ "	147	158	187	178	256	223
1¼ "	131	155	166	167	200	210
1½ "	119	130	151	138	188	207
1¾ "	104	107	125	117	170	157
2 "	93	98	116	108	161	140

American Felt Roofing Nails



Extra Large Heavy Reinforced Flat Head Needle Point



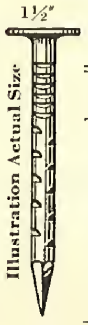
A large head nail especially designed for use in laying prepared roofing material. This nail, having an extra large head and thin shank, meets admirably the requirements for placing all prepared roofing. The head is reinforced on the shank so that it will not easily pull or break off.

These extra large head nails are unusually good for special chill work in foundries.

Length	Gauge	Count per Pound		Diameter of Head
		Bright	Galvanized	
¾ inch	No. 11	184	164	⅝ inch
⅞ "	" 11	175	157	⅝ "
1 "	" 11	162	145	⅝ "
1⅛ "	" 11	149	133	⅝ "
1¼ "	" 11	136	122	⅝ "
1½ "	" 11	110	100	⅝ "
1¾ "	" 11	90	80	⅝ "
¾ "	" 12	210	188	⅝ "
⅞ "	" 12	195	175	⅝ "
1 "	" 12	189	159	⅝ "
1⅛ "	" 12	170	154	⅝ "
1¼ "	" 12	176	147	⅝ "
1½ "	" 12	155	129	⅝ "
1¾ "	" 12	120	110	⅝ "

Standard Barbed Roofing Nails

Flat Head, Diamond Point



Size	Length and Gauge	Extra Over Base Price	Approx. No. to Lb.
¾ inch	¾ inch No. 13	$1.55	714
⅞ "	⅞ " " 12	1.30	469
1 "	1 " " 12	1.20	411
1⅛ "	1⅛ " " 12	1.10	365
1¼ "	1¼ " " 11	.95	251
1⅜ "	1⅜ " " 11	.90	230
1½ "	1½ " " 10	.80	176
1¾ "	1¾ " " 10	.75	151
2 "	2 " " 9	.65	103

American Leak-Proof Roofing Nails

Hot Galvanized-Zinc Coated

	Extra for Size Subject to Charge for Galvanizing	Approximate Count
1½x 9.....	$2.55	98 per lb.
1¾x 9.....	2.30	87 per lb.
2 x 9.....	2.10	79 per lb.
1½x10.....	2.80	115 per lb.
1¾x10.....	2.55	106 per lb.
2 x10.....	2.35	93 per lb.

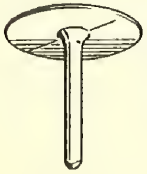
A great time and money saver over the old method of nail and lead washer combined.

The extra heavy coating of zinc over the entire surface of the nail—shank as well as head—insures the fullest protection against rust so they will last the life of the best grades of corrugated roofing.

The self-sealing principle involved in the design and construction of this nail is the most important feature. The curved spring head does the work, making a perfect seal.

The nub of the head of the nail aids in driving so as to prevent distortion of the head.

American Anchoroof Nails



American Anchoroof Nails lock asbestos shingles and prevent the ends from being cracked or broken in high winds and storms.

Made in one-piece solid copper style only.

Available in the popular sizes.

Prices on Application

Oil Quench Hardened Concrete Nails

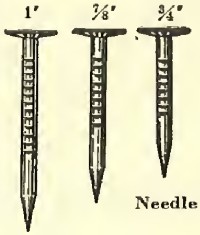
The increase in concrete construction of buildings, etc., has demanded a new type of nail for fastening Metal Corner Beading, Door Bucks, and Carpet Strips to cement.

All lengths and gauges can be supplied. Packed in kegs of 100 lbs. each.

Shade Nails

Made in ¾, ⅞ and 1-inch lengths, of No. 13 gauge wire, with slightly countersunk ¼-inch diameter flat head, and needle point.

PRICES on these nails are the same as for miscellaneous nails, plus extras for special features, such as for head and point, as shown in Miscellaneous Nail list.

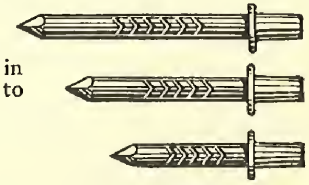


Flat Slightly Countersunk Head.

Needle Point

Shade Roller Pins

These pins are made in different sizes, according to specification.

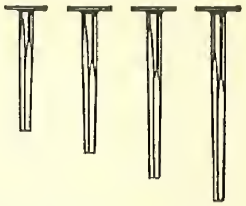


Illustrations Actual Size

Electrotype Nails

Made in all sizes, with or without die marks. Prices on application.

Peerless Cut Nails



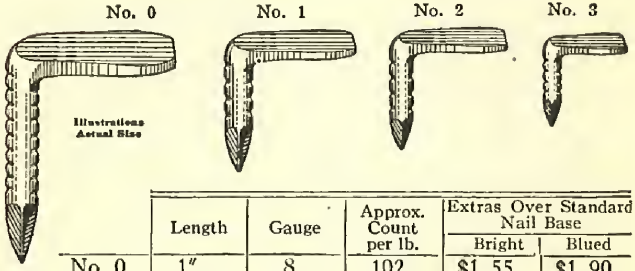
This type of nail has all of the advantages of the wire nail as well as the desirable features of the cut nail.

Made in lengths up to and including 1¼ inches, all gauges, for attaching wood hoops to barrels, for applying shingles, etc.

The points on Peerless Cut Nails are especially adapted for easy clinching.

Prices on application.

Hoop Fastener Nails



	Length	Gauge	Approx. Count per lb.	Extras Over Standard Nail Base	
				Bright	Blued
No. 0	1"	8	102	$1.55	$1.90
No. 1	9/16"	9	212	1.85	2.20
No. 2	½"	10½	308	1.95	2.30
No. 3	⅜"	13	832	2.85	3.20

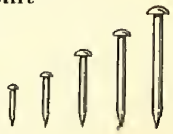
Galvanized, same extra as applies to Standard Nails.
Packed 100 lbs. to the keg.

Steel Escutcheon Pins

Oval Head, Needle Point

Made in various lengths and gauges, with oval head and needle point.

Prices on these nails are the same as for miscellaneous nails, plus extras for special features, such as for head and point as shown in Miscellaneous Nail list.



Illustrations Actual Size

Mrs. McGregor's Family Nail Box

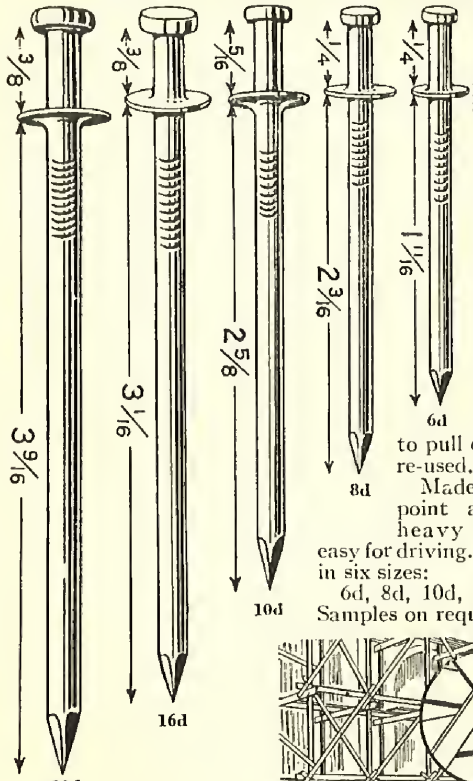
Mrs. McGregor's Family Nail Box contains a wide assortment of small-sized nails that are particularly adapted to household use. The satisfaction of having the right sized nail when needed is well worth the cost of this handy package. Every housekeeper is a prospective customer. The colorful display box attracts instant attention and sells on sight. Packed in 7 ounce boxes, one gross to the case.

American Handy Nail Box

American Handy Nail Box is somewhat different than Mrs. McGregor's Nail Box mentioned above in that it is larger and contains a wider assortment of larger nails for use around the house. Packed in 11 ounce boxes, one-half gross to the case.

American Duplex Head Nails

For theatre, auditorium and other building scaffolds.



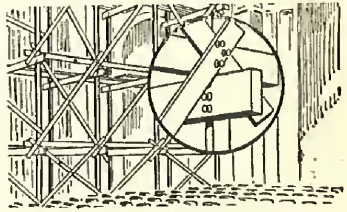
EASY TO DRIVE—EASY TO PULL

A Nail That Will Save the Lumber as Well as Save Labor in the Driving

Used for all scaffolding, foundation, column and other concrete forms and all temporary lumber constructions. They are lighter in weight giving more nails to the pound. Easy to pull out and can be re-used.

Made with a sharp point and a special heavy double head easy for driving. Manufactured in six sizes:

6d, 8d, 10d, 16d, 20d, 30d. Samples on request.



Size	Length to Bottom of Top Head	Gauge	Distance Between Heads	Approximate Count per Pound	Extras per 100 Lbs. Over Base
6d	2"	11½	¼	150	$3.40
8d	2½"	10¼	¼	88	3.20
10d	3"	9	5/16	62	3.00
16d	3½"	8	3/8	44	2.80
20d	4"	6	3/8	29	2.60
30d	4½"	5	7/16	20	2.40

American Dual Head Anchor Nails

Pearson Coated

For anchoring automobiles, machinery, etc., to freight car floors in shipping.

These nails are driven through the lower flanges of band steel and through wooden cleats into the floor of the car. The object of the Dual Head is to facilitate withdrawal of the Nails.

Made in lengths 2, 2¼, and 2½ inches, measured under the lower head—this means 2½, 2¾ and 3 inches over-all.

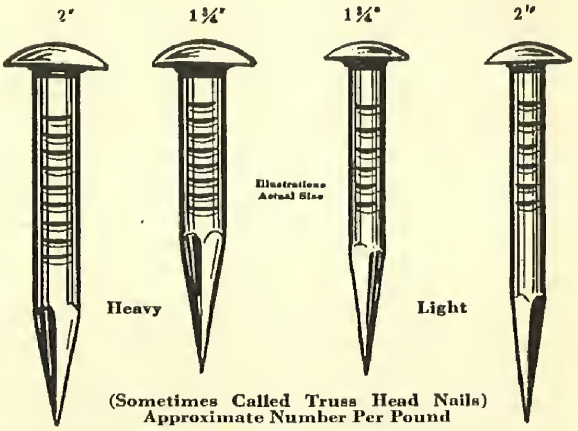
Principal demand is for 2¼ inch No. 6 gauge.

Packed in kegs of 100 lbs. each.

Length	Advances Over Base No. 6	Approximate Count per Pound No. 6	Advances Over Base No. 7	Approximate Count per Pound No. 7
2″	$2.75	43	$2.85	49
2¼″	2.75	39	2.85	44
2½″	2.75	34	2.85	39

Large Oval Head Long Diamond Point Hinge Nails

Sold at special net prices on application.



(Sometimes Called Truss Head Nails)
Approximate Number Per Pound

Length	3/16-inch	¼-inch
1½ inch	81	47
1¾ "	68	41
2 "	61	33
2¼ "	54	31
2½ "	48	28
2¾ "	45	26
3 "	41	24

¼ inch and ¼ inch by 1½ inch, 1¾ inch, 2 inch, 2½ inch, 2¾ inch and 3 inch.

Packed in Kegs, and 50, 25, 10 and 5 Pound Boxes.

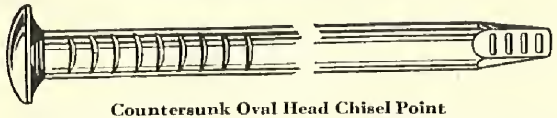
Annealed Wagon Nails

Made with different styles of heads, such as Oval, Cone, Countersunk or Steeple heads, or a combination of these styles if desired. Well barbed and thoroughly annealed, with heads perfectly uniform, these wagon nails are especially adapted for blacksmiths' use.

PRICES on these nails are the same as for miscellaneous nails, plus extras for special features, such as for heads, barbing and annealing, as shown in Miscellaneous Nail List. When ordering specify style, point, finish and all features.

Gutter Spikes

Flat Head Diamond Point



Countersunk Oval Head Chisel Point

Made in lengths of 5½ inches to 10½ inches inclusive, with either flat head, diamond point, or oval head, chisel point.

Made in various gauges from 3/16-inch to No. 8, inclusive.

Bright or Galvanized.

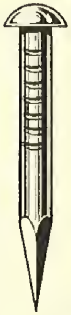
Basket Nails

Flat Head Diamond Point

Are usually made ⅝-inch or ¾-inch in length, of No. 18 gauge smooth wire, with needle point and large flat head.

PRICES on these nails are the same as for miscellaneous nails, plus extras for special features, such as for head and point, shown in Miscellaneous Nail list.

Saddlery Nails (Hame Rivet)



Long Diamond Point

Oval Head Long Diamond Point, Annealed, Smooth

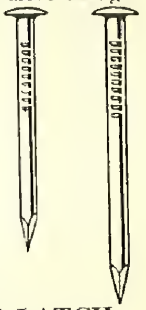
Made in 1½-inch length of No. 7 and No. 7½ gauge wires.

These nails are used as rivets for fastening trimming to a hame. After they are driven the point is cut off and the end is riveted.

American Beer Case Nails

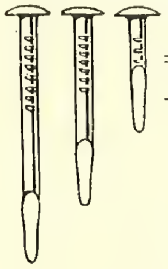
BEER case nails properly designed for the work intended for them. Made of special steel—they drive straight and true—resist bending—hold tenaciously.

Various lengths and gauges used according to thickness and grade of lumber. Standard sizes shown below:



STRAP NAILS

Length	Gauge	Approx. Count Per Lb.
1¼	13	410
1½	12½	300
1¾	12	225
2	11½	175

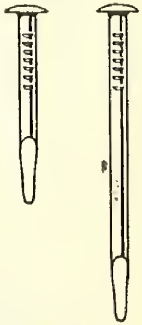


HINGE, LOCK and LATCH PLATE NAILS

Length	Gauge	Approx. Count Per Lb.
⅝	14	1030
¾	14	860
⅝	13	800
¾	13	680
⅞	13	585
1⅛	13	450
1¼	13	410
1⅝	13	390

CLEAT NAILS

Length	Gauge	Approx. Count Per Lb.
1⅛	14½	686
1	14	669
1⅛	13	450
1⅜	13	430
1¼	13	410
1⅜	13	380
1⅝	13	390
1⅝	12½	268
1⅞	12	216

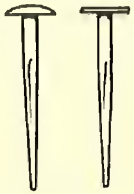


All nails can be furnished in Bright, Galvanized, Tinned or Pearson (Cement) Coated, to match finish of hardware, smooth or barbed.

STRAP NAILS—Oval Head, Short Diamond Point.

OTHER STYLES—Oval Head, Long Duck Bill Point.

Peerless Beer Case Nails



Oval or Flat head

For Hinges, Locks and Latch Plates

Made of special steel—Peerless Beer Case Nails will not break when clinched; they will drive straight and resist bending. The long tapering body or shank of the nail eliminates splitting of the wood and makes a perfect clinch.

These nails can be furnished in bright, blued, galvanized, tinned or (Pearson) cement coated, and with oval or flat heads.

Estimated Count per Pound on Peerless Beer Case Nails

Length	Gauge	No. 12	No. 12½	No. 13	No. 14	No. 15
5/8″		688	840	880	1212	1544
3/4″		640	768	816	1118	1420
7/8″		592	696	752	1024	1296
1″		544	624	688	930	1172
1⅛″		480	552	608	828	1048
1¼″		416	480	544	734	924

American Sign Nail

For hanging paper or metal signs

OVAL HEAD—NEEDLE POINT

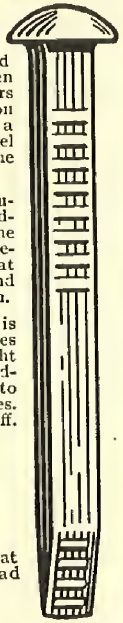
Length	Gauge	Approx. Count Per Lb.
15	8	11

Other lengths and gauges furnished.

Barge Spikes

Button or Oval Head Chisel Point

3″



Flat Head

5″

Diamond Head

4″

Chisel Point

Boat, railroad and barge spikes are driven mostly in hard timbers and it stands to reason that a spike with a clean cut, sharp, chisel point will facilitate the work.

Our process of manufacture insures a product that has all the essential features necessary in a spike that will drive easily and hold well after driven.

The proper stock is used to make spikes that will drive straight and true and our product runs uniform as to lengths and gauges. Heads will not fly off.

Also see Square Boat Spikes and Railroad Spikes.

Sizes

¼	inch square,	3 to 3½ inches long
¼	" "	4 to 8 inches long
5/16	" "	3½ inches long
5/16	" "	4 to 8 inches long
3/8	" "	3 to 3½ inches long
3/8	" "	4 to 12 inches long
7/16	" "	6 to 12 inches long
½	" "	6 to 12 inches long
5/8	" "	8 to 16 inches long

In kegs of 200 pounds.

Illustrations Actual Size

Button or Oval Head considered standard and will be furnished unless orders specifically call for Diamond Head or Flat Head.

Tie and Pole Dating or Marking Nails

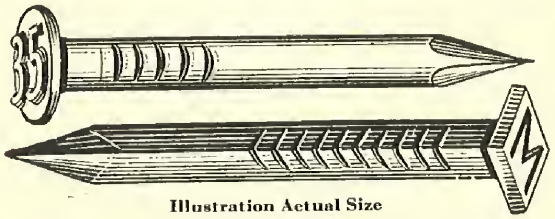


Illustration Actual Size

Raised or Depressed Figures
Extra Per 100 Lbs. Over Standard Nail Base for Standard Marking*

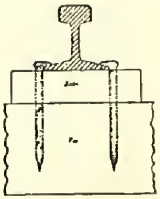
	¼ inch	3 gauge	5/16 inch	6 gauge
1½"	$1.50	$1.50	$1.50	$1.50
1¾"	1.25	1.25	1.25	1.25
2"	1.10	1.10	1.10	1.10
2½"	1.00	1.00	1.00	1.00

Galvanizing same extra as applies to Standard Nails.
Square Shank Nails, ¼-inch and 5/16" square considered standard—advance 50 cents per 100 lbs. over round.
Copper Bearing Nails 15 cents per 100 lbs. extra.
*Nails marked with numerals for the preceding year, current year, and coming year, either in raised or depressed figures (last two digits only) are standard.
Markings other than standard figures or characters are subject to additional extra charges.

Shimming Spikes

These spikes are used for fastening rails on trestle work where the spike is to be driven through a stringer (shim) into the tie beneath.

The orders for these spikes generally specify 7 in. or 8 in. long x 9/16 in. square. Price on Application.



Size, Measured Under Head	Approximate Number Per Keg
7 x 9/16	278
8 x 9/16	260

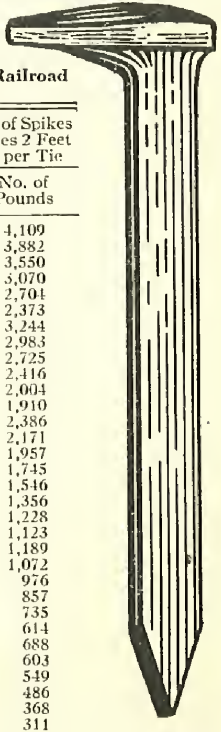
Reversed points, ¼c. per pound extra.
Other than regular sizes shown above can be furnished at a slight extra charge.
Packed in strong, well-made kegs of 200 lbs. each.
These spikes are driven mostly in hard timbers and it stands to reason that a spike with a clean-cut, sharp chisel point will facilitate the work. Heads will not fly off.

Railroad Spikes

Extras Over Railroad Spike Base Prices

In.	In.	Per 100 Lbs.
¼	1¼	$2.50
¼	1½	2.25
¼	2 to 2½	2.00
¼	3	1.85
5/16	2 to 4	1.70
3/8	2	1.25
3/8	2½	1.15
3/8	3 to 4½	$0.90
7/16	3	.75
7/16	3½ to 4½	.65
½	2½	.65
½	3 to 3½	.50
½	4 to 5	.25
*9/16	4½ and larger	Base

Reversed points, ¼c. per pound extra.
Other than regular sizes shown above can be furnished at a slight extra charge.
Packed in kegs of 200 pounds.
*9/16-inch railroad spikes are not made by us, but we carry in stock sizes 5 and 5½ x 9/16 for convenience of customers in making shipment of mixed carloads of our railroad and boat spikes.



Data and Approximate Number of Railroad Spikes to a Keg of 200 Pounds

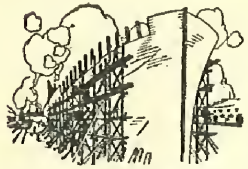
Size Meas. Under Head	Aver. No. per Keg	Kegs and Pounds of Spikes per Mile With Ties 2 Feet Apart, 4 Spikes per Tie	
		No. of Kegs	No. of Pounds
5 x½	514	20.546	4,109
4½x½	544	19.412	3,882
4 x½	595	17.748	3,550
3½x½	688	15.349	3,070
3 x½	781	13.521	2,704
2½x½	890	11.865	2,373
5 x7/16	651	16.221	3,244
4½x7/16	708	14.915	2,983
4 x7/16	775	13.626	2,725
3½x7/16	874	12.082	2,416
3 x7/16	1054	10.019	2,004
2½x7/16	1106	9.555	1,910
5 x⅜	885	11.932	2,386
4½x⅜	973	10.853	2,171
4 x⅜	1079	9.787	1,957
3½x⅜	1210	8.727	1,745
3 x⅜	1366	7.731	1,546
2½x⅜	1558	6.778	1,356
2¼x⅜	1720	6.140	1,228
2 x⅜	1881	5.614	1,123
4 x5/16	1777	5.943	1,189
3½x5/16	1971	5.358	1,072
3 x5/16	2165	4.878	976
2½x5/16	2463	4.287	857
2 x5/16	2873	3.676	735
1½x5/16	3438	3.072	614
3 x¼	3068	3.442	688
2¼x¼	3501	3.016	603
2¼x¼	3846	2.746	549
2 x¼	4348	2.429	486
1½x¼	5734	1.842	368
1¼x¼	6801	1.553	311

NOTE—The above is given as approximate, and Company is not to be bound in any way to protect these figures.

Square Boat Spikes

Diamond Head—Chisel Point

Extras Over Square Boat Spike Base Prices



Also used for dock and heavy plank work

	Length Inches	Per 100 Lbs.
¼ inch square, 3	to 3½	$1.25
¼ inch square, 4	to 8	1.00
5/16 inch square, 3½		.95
5/16 inch square, 4	to 8	.70
⅜ inch square, 3	to 3½	.80
⅜ inch square, 4	to 12	.55
7/16 inch square, 6	to 12	.45
½ inch square, 6	to 12	.40
⅝ inch square, 8	to 16	.40

OTHER SIZES: Other than regular sizes shown above, can be furnished at a slight extra charge.

Packed in 200-lb. kegs.

Approximate Number of Boat Nails per Keg of 200 Pounds

	Length, Inches			
	4	5	6	7
⅝ in. sq.	.....	.....	.....	.....
½ in. sq.	.....	.....	.....	.....
7/16 in. sq.	.....	.....	.....	480
⅜ in. sq.	1,114	930	816	690
5/16 in. sq.	1,776	1,342	1,124	978
¼ in. sq.	2,576	2,134	1,778	1,488

	Length, Inches						
	8	9	10	11	12	13	14
⅝ in. sq.	214	190	176	.....	144	.....	122
½ in. sq.	324	286	258	244	220	.....	192
7/16 in. sq.	438	.....	378	.....	.....	.....	.....
⅜ in. sq.	622	532	492	.....	434	.....	.....
5/16 in. sq.	858	776	706	.....	.....	.....	.....
¼ in. sq.	1,382	.....	.....	.....	.....	.....	.....

NOTE— The above is given as **approximate**, and the Company is not to be bound in any way to protect these figures.

These are driven mostly in hard timbers and it stands to reason that a spike with a clean-cut sharp, chisel point will facilitate the work.

Our process of manufacture insures a product that has all the essential features necessary in a spike that will drive easily and hold well after driven.

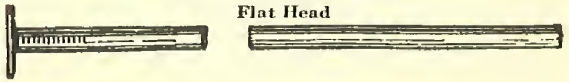
The proper stock is used to make spikes that will drive straight and true, and our product runs uniform as to lengths and gauge. Heads will not fly off

For a first-class job in bridge or trestle work use AMERICAN STEEL & WIRE COMPANY *Boat Nails.*

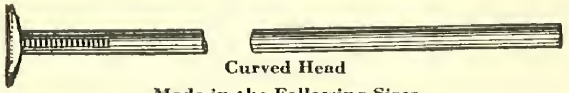
Sheet Roofing Fasteners. Egg Case or Crate Fasteners, and Meat Tag Fasteners

Sheet Roofing Fasteners

Flat Head



Curved Head

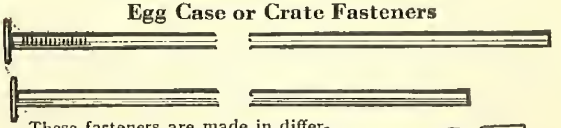


Made in the Following Sizes

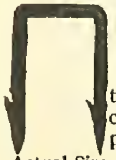
Length	Diameter	Approximate Count per Pound
6 inch.....	⅛ inch	46
7 "	⅛ inch	40
8 "	⅛ inch	34
9 "	⅛ inch	31
10 "	⅛ inch	28
12 "	⅛ inch	23
14 "	⅛ inch	20
8 "	No. 10 gauge	30
9 "	"	27
10 "	"	24
12 "	"	20
13 "	"	....
14 "	"	....
15 "	"	....
15½"	"	....

Annealed or galvanized

Egg Case or Crate Fasteners



These fasteners are made in different sizes, according to specifications. Price upon application.



Actual Size

Tinned Meat Tag Fasteners

Packed 1,000 in a carton, 150 cartons to the case. Also in kegs. Approximately 1,000 to the pound.

Solid Copper Wire Nails

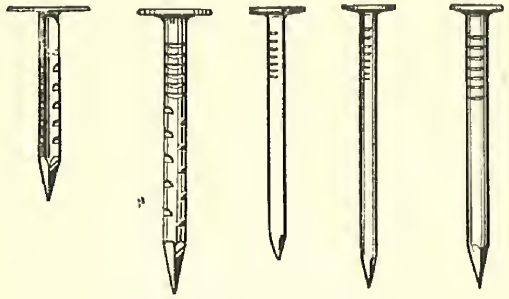
The life of a roof largely depends upon its fastening. Regardless of the roofing material used, its service ends when the nails fail.

Copper Nails last indefinitely. They are moisture and corrosion proof and will not "frost-crack."

Contractors agree as to the superior advantages of Copper Nails.

Copper Nails are used for many purposes besides roofing and we can supply any size or style required, but make regularly—

ROOFING SHINGLE
SLATING COMMON



FIRE DOOR NAILS

Nails for use in applying the metal covering to wood cores of tin clad Fire Doors have been variously specified but usually by length and gauge.

Recently the Underwriters' Laboratories have established new limits as to maximum and minimum diameters which will be acceptable and these limits permit the furnishing of various Standard Nails. Their requirements call for Nails not less than 0.09 inch nor heavier than 0.100 inch in diameter and the usual lengths called for are 1¼ inch and 2 inch.

These specifications will permit the use of 3d Shingle Nails or 6d Box Nails which are of the following dimensions:

3d Shingle	1¼ inch	No. 13 gauge
6d Box	2 inch	No. 12½ gauge

Fire Door Nails are usually called for full barbed.

For Real Corrosion Resistance, use American Steel and Wire Company's U S S Stainless Steel Nails

If you have nailing problems where ordinary nails quickly corrode due to the presence of Acids and Alkalis or their compounds, try nails made from the new alloys of Nickel, Chromium and Steel known as U S S Stainless Steel.

These nails are practically completely resistant to the action of strong solutions of Salt brine, any strength of cold acetic acid or vinegar and up to 10% strength if this acid is hot, all Alkaline solutions including Ammonium hydroxide, fruit and vegetable juices, milk and dairy products, photographic reagents, paper and wood pulp, solutions of zinc chloride and zinc sulphate as well as bichloride of mercury solutions of usual antiseptic strength, etc.

These are only a few of a long list of economic and industrial substances which are incapable of attacking clean surfaces of U S S 18-8 Stainless Steel Nails.

These nails are therefore to be fully recommended for the construction of brine tanks, sluices, chemical vats and for the nailing of containers which are subjected to contact with any of these substances, also where food products must be protected against discoloration by nail contact. These nails have all of the physical properties of ordinary nails as regards stiffness, ease of driving and holding power.

Acid Etched Nails

The Real Test of a Nail's Value is its Holding Power

AMERICAN STEEL & WIRE COMPANY'S ACID ETCHED NAILS develop this property of holding power to the highest now known degree.

Our acid etched nails are made by a special process which forms on the surface of the nail a coating which is part of the steel itself and can not be rubbed off, is neither affected by heat or cold, nor becomes tacky or sticky.

Actual tests over a considerable period have proved this nail capable of developing at least 35% greater resistance to immediate withdrawal than the best cement coated nails, which heretofore have been considered the last word in holding power.

The additional holding power makes it possible to reduce the length and gauge of the nails employed or their number. This reflects itself in a real saving where ordinary wear resistance is required and provides a large margin of additional safety when it is desirable.

Pearson Coated Nails

The substantial reputation of Pearson Coated Nails is gained from many years of faithful service. The holding ability of the coating compound has been measured and tried by experience and proven adequate for any service where necessary to employ nails of extra holding power over plain nails.

PEARSON COATED NAILS

SEPTEMBER 1st, 1926

EXTRAS IN 100 LB. KEGS

American Steel & Wire Company's Steel Wire Gauges

Coolers

Size	Length and Gauge	Advance Over Base per 100 Lbs.	Approximate No. Nails per Lb.
2d	1 x16	$2.40	1084
3d	1 1/4x15 1/2	1.90	848
4d	1 3/8x14	1.55	488
5d	1 5/8x13 1/2	1.35	364
6d	1 7/8x13	1.15	275
7d	2 1/8x12 1/2	.90	212
8d	2 3/8x11 1/2	.75	142
9d	2 5/8x11 1/2	.75	130
10d	2 7/8x11	.65	104

Sinkers

Size	Length and Gauge	Advance Over Base per 100 Lbs.	Approximate No. Nails per Lb.
2d	1 x16	$2.40	1084
3d	1 1/4x15 1/2	1.90	848
4d	1 3/8x14	1.55	488
5d	1 5/8x13 1/2	1.35	364
6d	1 7/8x13	1.15	275
7d	2 1/8x12 1/2	.90	212
8d	2 3/8x11 1/2	.75	142
9d	2 5/8x11 1/2	.75	130
10d	2 7/8x11	.65	104
12d	3 1/4x10	.55	77
16d	3 1/4x 9	.45	61
20d	3 3/4x 7	.35	37
30d	4 1/4x 6	.35	29
40d	4 3/4x 5	.35	21
50d	5 1/4x 4	.35	16
60d	5 3/4x 3	.35	13

Fruit Box Nails

4d	1 3/8x15	$1.95	623

Veneer Box Nails

4d	1 1/2x14	$1.95	435

Apple Box Nails

5d	1 5/8x14	$1.50	418
5 1/2d	1 3/4x14	$1.40	388

Corkers

Size	Length and Gauge	Advance Over Base per 100 Lbs.	Approximate No. Nails per Lb.
2d	1 x16	$2.40	1084
3d	1 1/4x15	1.80	678
4d	1 1/2x13 1/2	1.50	392
5d	1 5/8x13 1/2	1.35	364
6d	1 7/8x12 1/2	1.05	232
7d	2 1/8x12 1/2	.90	212
8d	2 3/8x11	.70	129
9d	2 5/8x11	.70	114
10d	2 7/8x10	.60	84
12d	3 1/4x10	.55	77
16d	3 1/4x 9	.45	59
20d	3 3/4x 7	.35	36
30d	4 1/4x 6	.35	27
40d	4 3/4x 5	.35	21
50d	5 1/4x 4	.35	16
60d	5 3/4x 3	.35	12

Egg Case Nails

2d	1 x16	$2.65	1050
3d	1 1/4x15	2.15	738
4d	1 1/2x14	1.80	435

Box Nails

2d	1 x16 1/2	$2.55	1300
3d	1 1/4x16	2.05	950
4d	1 3/8x15 1/2	1.90	710
5d	1 5/8x15	1.70	536
6d	1 7/8x13 1/2	1.30	306
7d	2 1/8x13 1/2	1.20	268
8d	2 3/8x12 1/2	1.00	186
9d	2 5/8x12 1/2	1.00	167
10d	2 7/8x11 1/2	.90	118

Orange Box Nails

4d	1 1/4x15	$2.00	679

American Steel & Wire Co.'s Steel Wire Gauge

Heavy Barbed Car Nails

Size	Length and Gauge	Advance Over Base per 100 Lbs.	Approximate No. Nails per Lb.
4d	1 1/2x12	$1.20	274
5d	1 3/4x10	1.00	138
6d	2 x10	.95	117
7d	2 1/4x 9	.85	85
8d	2 1/2x 9	.75	78
9d	2 3/4x 8	.75	62
10d	3 x 8	.70	55
12d	3 1/4x 7	.65	44
16d	3 1/2x 7	.60	38
20d	4 x 6	.50	29
30d	4 1/2x 6	.50	26
40d	5 x 5	.50	20
50d	5 1/2x 4	.50	15
60d	6 x 4	.50	14

Light Barbed Car Nails

Size	Length and Gauge	Advance Over Base per 100 Lbs.	Approximate No. Nails per Lb.
4d	1 1/2x13	$1.35	335
5d	1 3/4x11	1.05	176
6d	2 x11	1.00	149
7d	2 1/4x10	.85	103
8d	2 1/2x10	.75	96
9d	2 3/4x 9	.75	74
10d	3 x 9	.70	65
12d	3 1/4x 8	.70	51
16d	3 1/2x 8	.65	48
20d	4 x 7	.50	36
30d	4 1/2x 7	.50	31
40d	5 x 6	.50	24
50d	5 1/2x 5	.50	17
60d	6 x 5	.50	16

SPECIAL EXTRAS ON PEARSON COATED NAILS

Barbed Nails, 25c per 100 lbs. extra (except as provided for above. Special Heads, 15c per 100 lbs. extra. Special Points, 15c per 100 lbs. extra.

Pearson Coated Misc. list—See page 5.

Coolers

7d

The original Pearson Nail—same as the Sinkers in all particulars except the head. The Cooler head is flat underneath and of slightly greater diameter than that of the Sinkers. Coolers are perfectly satisfactory for hand driving in the softer woods, but are especially designed for machine driving in boxes, crates, or other shipping packages.

Size	Advance over Base	Number of Nails Per Lb.	Length (Inches)	Gauge No.
2d	$2.40	1084	1	16
3d	1.90	848	1 1/8	15 1/2
4d	1.55	488	1 3/8	14
5d	1.35	364	1 5/8	13 1/2
6d	1.15	275	1 7/8	13
7d	.90	212	2 1/8	12 1/2
8d	.75	142	2 3/8	11 1/2
9d	.75	130	2 5/8	11 1/2
10d	.65	104	2 7/8	11

Egg Case Nails

Large Flat Head

3d

Endorsed by the carriers, and having every feature desirable for the use intended, these are undoubtedly the only perfect nails for egg cases.

Size	Advance over Base	Number of Nails Per Lb.	Length (Inches)	Gauge No.
2d	$2.65	1050	1	16
3d	2.15	738	1 1/8	15
4d	1.80	435	1 1/2	14

Parquet Floor Nails

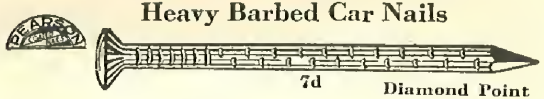
Deep Countersunk Head, Long Diamond Point

1 1/8 INCH x 15

They leave a small, clean, easily puttied hole. The holding-power of the coating overcomes any tendency of the floor to spring or squeak. Net prices quoted on application.

LENGTHS: 1 1/8 inch and 1 1/4 inch. GAUGES: Nos. 15 and 16. POINTS: Either Long Diamond or Needle. PACKINGS: In 100 lb. kegs and 25 lb. boxes.

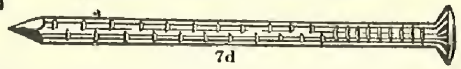
Heavy Barbed Car Nails



Specify whether Csk. Oval or Flat Csk. Heads

Size	Advance over Base	Number of Nails Per Lb.	Length (Inches)	Gauge No.
4d	$1.20	274	1½	12
5d	1.00	138	1¾	10
6d	.95	117	2	10
7d	.85	85	2¼	9
8d	.75	78	2½	9
9d	.75	62	2¾	8
10d	.70	55	3	8
12d	.65	44	3¼	7
16d	.60	38	3½	7
20d	.50	29	4	6
30d	.50	26	4½	6
40d	.50	20	5	5
50d	.50	15	5½	4
60d	.50	14	6	4

Light Barbed Car Nails



Specify whether Csk. Oval or Flat Csk. Heads

Size	Advance over Base	Number of Nails Per Lb.	Length (Inches)	Gauge No.
4d	$1.35	335	1½	13
5d	1.05	176	1¾	11
6d	1.00	149	2	11
7d	.85	103	2¼	10
8d	.75	96	2½	10
9d	.75	74	2¾	9
10d	.70	65	3	9
12d	.70	51	3¼	8
16d	.65	48	3½	8
20d	.50	36	4	7
30d	.50	31	4½	7
40d	.50	24	5	6
50d	.50	17	5½	5
60d	.50	16	6	5

Special Box Nails

Large Flat Head—Diamond Point

Orange Box

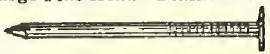
For Western orange boxes and other fruit packages.

NOTE.—As a great majority of 4d Box Nails used on the Pacific Coast are for orange boxes, Orange Box Nails will be shipped on all orders sent to our Pacific Coast Agents for "4d Box Nails," instead of the regular 4d Box Nails shown on page 54, unless orders specifically instruct to the contrary. This does not apply to any but orders from Pacific Coast territory. When wanted elsewhere "Orange Box Nails" must be specified on the order.

Size	Advance over Base	Number of Nails Per Lb.	Length (Inches)	Gauge No.
4d	$2.00	679	1¼	15

Fruit Box

Large Flat Head—Diamond Point



For Southern orange boxes, pineapple crates, and other fruit packages.

NOTE.—When Fruit Box Nails are wanted instead of the regular 4d Box, it should be distinctly so specified on orders.

4d	$1.95	623	1⅜	15

Veneer Box

Large Flat Head—Needle Point

For hoopless orange boxes.

Size	Advance over Base	Number of Nails Per Lb.	Length (Inches)	Gauge No.
4d	$1.95	435	1½	14

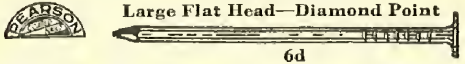
Apple Box

Large Flat Head—Diamond Point

5d	$1.50	418	1⅝	14
5½d	1.40	388	1¾	14

Box Nails

Large Flat Head—Diamond Point



Box Nails are necessarily lighter in wire than Sinkers, but where conditions permit of their use are economical because of the larger count.

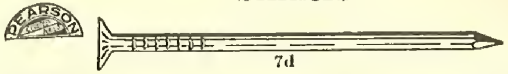
Size	Advance over Base	Number of Nails Per Lb.	Length (Inches)	Gauge No.
2d	$2.55	1300	1	16½
3d	2.05	950	1⅛	16
4d	1.90	710	1¾	15½
5d	1.70	536	1⅝	15
6d	1.30	306	1⅞	13½
7d	1.20	268	2⅛	13½
8d	1.00	186	2⅜	12½
9d	1.00	167	2⅝	12½
10d	.90	118	2⅞	11½

Corkers

Flat Countersunk Head, Diamond Point

Size	Advance over Base	Number of Nails Per Lb.	Length (Inches)	Gauge No.
2d	$2.40	1084	1	16
3d	1.80	678	1¼	15
4d	1.50	392	1½	13½
5d	1.35	364	1⅝	13½
6d	1.05	232	1⅞	12½
7d	.90	212	2⅛	12½
8d	.70	129	2⅜	11
9d	70	114	2⅝	11
10d	.60	84	2⅞	10
12d	.55	77	3⅛	10
16d	.45	59	3⅜	9
20d	.35	36	3⅞	7
30d	.35	27	4⅜	6
40d	.35	21	4⅞	5
50d	.35	16	5⅜	4
60d	.35	12	5⅞	3

Sinkers



The best all-around nail made for either hand or machine driving. For use in all styles of wooden shipping packages and for all the every day uses to which nails are put. The heads cannot break or pull off.

Size	Advance over Base	Number of Nails Per Lb.	Length (Inches)	Gauge No.
2d	$2.40	1084	1	16
3d	1.90	848	1⅛	15½
4d	1.55	488	1⅜	14
5d	1.35	364	1⅝	13½
6d	1.15	275	1⅞	13
7d	.90	212	2⅛	12½
8d	.75	142	2⅜	11½
9d	.75	130	2⅝	11½
10d	.65	104	2⅞	11
12d	.55	77	3⅛	10
16d	.45	61	3¼	9
20d	.35	37	3¾	7
30d	.35	29	4¼	6
40d	.35	21	4¾	5
50d	.35	16	5¼	4
60d	.35	13	5¾	3

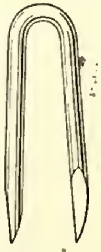
Corner Bead Staples

Usually polished style 2″ length No. 8 gauge with ⅞″ spread at points ⅜″ at shoulder.

For applying metal beading and metal lath to building tile.

Brick Staples

Usually polished style, 2½″ length No. 6 gauge. With ⅜″ uniform spread.



Electricians Staple Nails

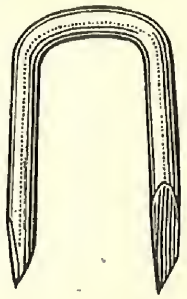
These staple nails are easier to drive and hold insulated electrical wires securely. They may be placed near the edge of the molding without danger of splitting the wood.

Finished in dark enamel for stained woodwork, and bright steel finish for light colored woodwork.

Made in ½ inch and ⅝ inch lengths, gauges No. 12, 13, 14 and 15.

Prices on Application

Ribbon Wire Staples



For stapling flat twisted ribbon wire. Cut from No. 9 wire in 1½-in., 1¾-in. and 2-in. lengths.

Metal Lath Staples

Furnished in Standard size, 1-in., 1⅛-in., 1¼-in., and 1½-in. No. 14 gauge. Principal demand is for 1-in.

Furnished in following finishes: BLUED, POLISHED or GALVANIZED.

NOTE: Blued staples packed in paper lined kegs are considered Standard and will be furnished unless otherwise specified. This finish usually called for because lathers carry in mouth, and process of manufacture insures a sanitary product, free from grease and dirt. There is a growing demand for this style staple same as for sterilized blued lath nails.

Galvanized Hoop Staples

Used for Putting on Wire Hoops

Full Size ½-in.	⅝-in.	Number of Galvanized Wire Hoops Staples to the pounds
No. 14 Gauge Wire		
⅝ inch, No. 14		568
½ inch, No. 14		610

Galvanized Poultry Netting Staples

Packed in 100-lb. kegs; 50, 25, 10 and 5-lb. wooden boxes; 5 and 10-lb. and 1-lb. papers.

All 5 and 10-lb. paper packages are packed in wooden boxes for shipment.

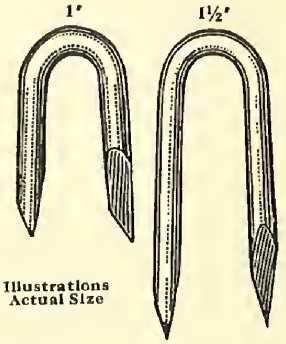
Number of Poultry Netting Staples to the pound

¾ inch, No. 14	480
⅞ inch, No. 14	416
1 inch, No. 14	352

The spread of all staples is measured at the shoulder and not at the points.

Fence Staples

Length	Approximate No. to Lb. No. 9
¾	152
⅞	120
1	108
1⅛	96
1¼	87
1½	72
1¾	65
2	58
2¼	47
2½	40



Illustrations Actual Size

Annealed, Polished or Galvanized

Made of No. 9 gauge wire.....base price.
Made of No. 8 gauge wire or coarser..... 25 cts. per 100 lbs. extra.
Made of No. 10 gauge wire.....20 cts. per 100 lbs. extra.
Made of No. 11 gauge wire.....30 cts. per 100 lbs. extra.
Made of No. 12 gauge wire.....45 cts. per 100 lbs. extra.
Made of No. 13 gauge wire.....65 cts. per 100 lbs. extra.

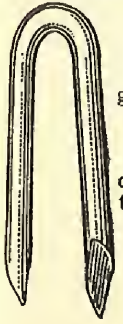
Staples longer than 2½ inches and up to 3 inches, 50 cts. per 100 lbs., extra. Cannot furnish staples longer than 3 inches.

Annealed staples same price as polished.

Barbed staples, all lengths and gauges, 25 cts. per 100 lbs., extra.

Oiling staples, 15 cts. per 100 lbs., extra.

Special Spread Staples Subject to Quantity Extras.



Steel Fence-Post Staples

Usually made in 1½-inch length of No. 10 gauge wire, with 3/16-inch spread.

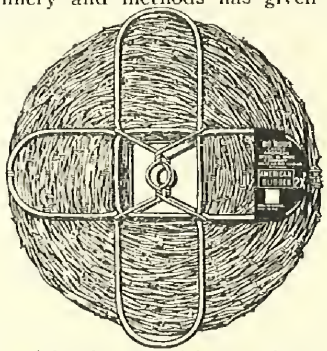
Bright or Galvanized

These staples are placed in punched holes of steel fence posts and points are clinched on the opposite side.

Illustration Actual Size

American Barbed Wire

We are pioneer producers of Barbed Wire and every improvement in machinery and methods has given us increased efficiency in manufacturing the highest grade of Barb Wire.



A superior grade of barbed wire must be made from proper steel to secure uniformity, high tensile strength and firm sharp barbs. Our machines insure regularity of twist and barbs accurately and firmly spaced.

A high grade of galvanizing is applied by our hot zinc coating method. This super type wire is wound uniformly on steel reels. All these qualities are insured by experienced supervision of men who have been long in the field.

You can instantly recognize American Barbed Wire by looking for the long used and established trade-marks on each spool.

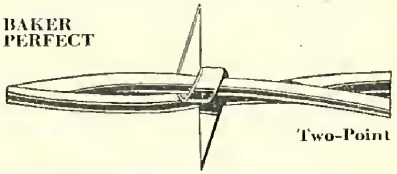
Special Galvanized Barbed Wire. In addition to furnishing our different brands of barbed wire with standard galvanizing, we will also furnish the same brands special galvanized and of the same quality of galvanizing as our telephone and telegraph wire.

These are the long-used and established trade marks on our special brands of American Barbed Wire. Each in its own field stands for quality and excellence.

American Barbed Wire is manufactured to meet U. S. Government specifications.

American Barbed Wire — Continued

Baker Perfect Two-Point (Two Prongs)



Galvanized—80 Rod Spools

A very popular brand which has stood the test for 30 years, and is a strong favorite wherever used. The flat barbs hold firmly in place and show up sharp and clear.

There are many *so-called* Baker brands on the market, but only one genuine and original Baker Perfect. If you want the genuine, order Baker Perfect, and look for the registered trade mark on the spools.

80 Rod Spools sold at a price per spool, and guaranteed to contain full 80 rods.

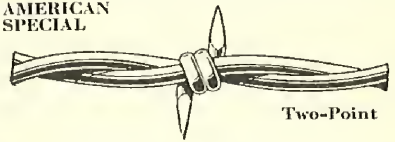
Thickset or Hog, barbs about 3 inches apart.

Regular or Cattle wire, barbs about 5 inches apart.

Main strands No. 12½ steel wire gauge.

Flat barbs wrapped once around one of the main strands.

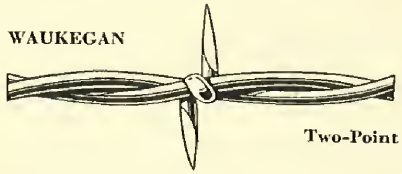
American Special Two-Point (Two Prongs)



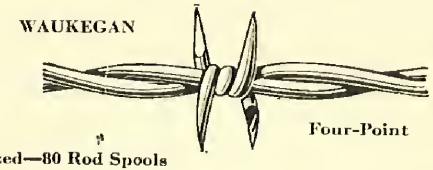
Galvanized and put up on 80 rod spools. Thickset or Hog wire, barbs about 3 inches apart. Regular or Cattle wire, barbs about 5 inches apart. Main strands of No. 14 steel wire gauge. Barbs are round and of No. 16 steel wire gauge wrapped twice around one of the main strands.

American Barbed Wire — Continued

Waukegan Two-Point (Two Prongs)



Waukegan Four-Point (Four Prongs)



Galvanized—80 Rod Spools

Look for the red tag with the registered trade mark "WAUKEGAN." Indian head stamped on every spool.

80 ROD SPOOLS sold at a price per spool, and guaranteed to contain full 80 rods.

Thickset or Hog Wire, 2-point, barbs about 3″ apart.

Thickset or Hog Wire, 4-point, barbs about 3″ apart.

Regular or Cattle Wire, 2-point, barbs about 5″ apart.

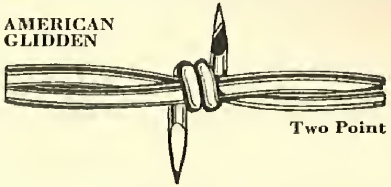
Regular or Cattle Wire, 4-point, barbs about 6″ apart.

Main strands of No. 12½ steel wire gauge.

Barbs are half-round and each barb is wrapped once around the main strand. This makes a single wrap for the 2-point wire and a double wrap for the 4-point.

American Barbed Wire—Continued

American Glidden Two Point (Two Prongs)



Galvanized—80 Rod Spools

The popular brand in all sections and for all general hog and cattle fence purposes—has many imitations, but no equal. If you want Glidden pattern insist on AMERICAN GLIDDEN.

Made in Thickset or Hog Wire, barbs about 3 inches apart.

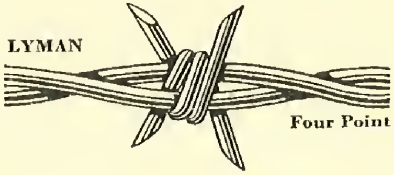
Made in Regular or Cattle Wire, barbs about 5 inches apart.

Main strands of No. 12½ steel wire gauge.

Round Barbs of No. 14 steel wire gauge wrapped twice around one of the main strands.

80 ROD SPOOLS sold at a price per spool, and guaranteed to contain full 80 rods.

Lyman Four Point (Four Prongs)



Galvanized—80 Rod Spools

One of the oldest brands of barb wire on the market—the best barb wire to use when a strong, heavy barb wire fence is required. Is an effective barrier against hogs and all kinds of stock. Easily seen by animals on account of the larger size barbs.

Thickset or Hog wire, barbs about 4 inches apart.

Regular or Cattle wire, barbs about 6 inches apart.

Main strands of No. 12½ steel wire gauge.

Round barbs of No. 14 gauge.

Each barb consists of two pieces of wire one wrapped around one main strand and then around both main strands. The other piece interlocked and wrapped around both main strands.

80 ROD SPOOLS sold at a price per spool and guaranteed to contain full 80 rods.

Twisted Barbless Ribbon and Coiled Spring Steel Fence Wire

Twisted Barbless Wire, Galvanized, Painted or Annealed

Regularly furnished, wound on barbed wire reels 100 pounds each. Galvanized 2 ply 12½ also furnished on 80-rod spools.

Regularly made in following sizes:

2 ply, No. 11, 12 and 12½ — Same price as American Glidden Barb Wire Per 100 Lbs.

2 ply, Nos. 8, 9 and 10 — $0.15 — Advance over American Glidden Barbed Wire

2 ply, Nos. 13 and 14 — .30 — Advance over American Glidden Barbed Wire

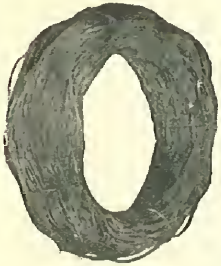
Above sizes are regularly made, but other styles can be furnished,

Galvanized Flat Twisted Ribbon Wire

Made from ½ inch No. 17 gauge wire and extra galvanized. Weight approximately 9 feet to the pound. Put up in catch weight reels.

This material usually purchased for fencing blooded stock and high grade horses, also used for fencing purposes by parks and cemeteries.

Galvanized Coiled Spring Steel Fence Wire



Made in sizes 7 to 12, inclusive.

Put up regularly in catch weight bundles, but can also be furnished in even 100 pound bundles without extra charge.

This coiled wire is used for making fences in various forms. We put into this wire the best stock, and it is so coiled that it will retain its springiness against all expansion and contraction due to weather conditions.

American Steel & Wire Co.'s Steel Wire Gauge	Ft. per lb.
No. 7	11
No. 8	13.33
No. 9	16.7
No. 10	20
No. 11	24.61
No. 12	32

Extras on Merchant Quality Wire

In 100 Pound Bundles

	Annealed Per 100 Pounds	Galvanized Per 100 Pounds
No. 0 to No. 2, Inc.	$0.20	$0.45
No. 3 to No. 5, Inc.	.10	.35
No. 6 to No. 9, Inc.	Base	Base
No. 10	.05	.05
No. 11	.10	.10
No. 12—No. 12½	.15	.20
No. 13	.25	.35
No. 14	.35	.55
No. 15	.60	.85
No. 16	.80	1.05
No. 17	1.10	1.40
No. 18	1.60	1.90

Standard Coils—16" and 22" inside diameters.

Prices on special diameter coils quoted on application.

For special weight coils, weighing less than 100 pounds in standard diameters, extra charge is 5 cents per bundle.

Galvanized Brace Wire

Furnished Nos. 8 and 9 gauge wire, in 5-lb. coils, packed 20 coils to the bundle of 100 lbs. Sold in even 100-lb. quantities or multiples thereof, at $1.00 per 100 lbs. advance over price of No. 8 Galvanized Plain Fence Wire which is shown above.

Stone Wire

Made in sizes No. 16 gauge and finer. Bright, Annealed, Galvanized, Tinned and Coppered finishes.

Put up in 8-inch inside diameter coils, weighing 12 pounds each and paper wrapped.

American QUALITY Steel & Wire Company

Soft Galvanized Wire Now in Handy Coils

The same high grade wire as put up in larger coils is now available in HANDY 10 or 25 pound coils. Sizes 9 to 18, inclusive.

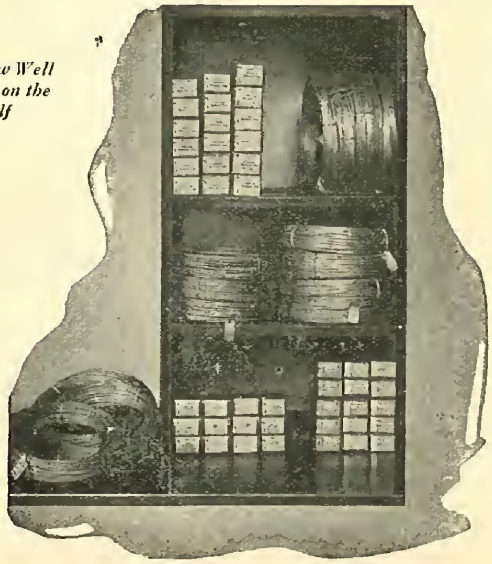
Easy to handle and easy to display—Packs well in stock—Saves Dealers time—No cutting from large coil necessary—Avoids tangled wire.

A handy coil for quick and convenient use.

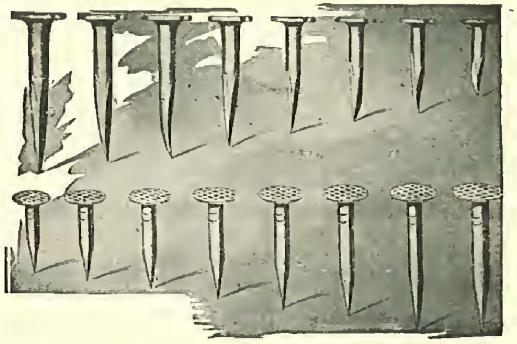
10 Lb. Coil
8" Inside Diameter

25 Lb. Coil 22" Inside Diameter

Note How Well it Packs on the Shelf



American Wire and Peerless Tacks



Made of High Grade Tack Steel
Strong Heads—Sharp Pointed

Furnished in either carpet, upholsterer, bill-poster or railroad styles in polished, blued, tinned, coppered or galvanized finish.

Manner of Packing

¼-lb. papers, packed in packages of 12 papers (called a dozen) and 50 dozen in a full case lot.

½-lb. papers, packed in packages of 12 papers (called a dozen) and 50 dozen in a full case lot.

½-lb. papers are not dozened and are packed 100 lbs. (200 papers) in a full case.

1-lb. papers are packed 100 lbs. (100 papers) to a full case lot.

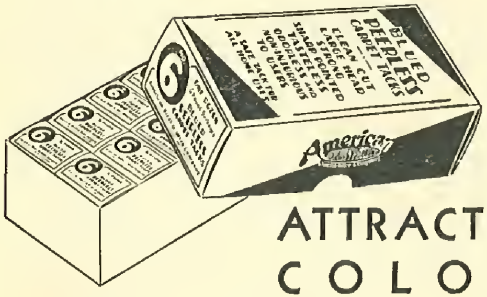
All packages are Packed Full Net Weight of the Size or Kind Designated.

Solid Copper Tacks

Where moisture is encountered where weather resistance is required, no better tack can be used than those made from COPPER.

We issue a completely illustrated TACK catalogue giving full details.

AMERICAN AND PEERLESS TACKS IMPROVED PACKAGES



ATTRACTIVE COLORS

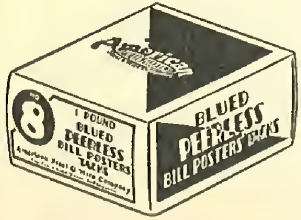
•

SUPERIOR IN EVERY WAY

. . AND

THE SAME HIGH QUALITY OF TACK INSIDE THE PACKAGE

•



The American Steel & Wire Company is proud of its new American and Peerless Tack packages . . . but it is still more proud of the quality tacks they enclose.

LIST PRICES AND WEIGHTS

Galvanized AMERICAN Clothes Lines

HOLLOW CABLE

No.	Description	No. of Wires	American Steel & WireCo.s STEEL WIRE GAUGE No.	List Price per Dozen Coils Bbl. Lots 100 Ft.	75 Ft.	50 Ft.
1		7	22	Price on Application		
2		9	22			
3		12	22			
4		11	20			

TWISTED

16		6	16	Price on Application		
17		6	17			
18		6	18			
19		6	19			
20		6	20			

SOLID

8		1	8	Price on Application		
9		1	9			
10		1	10			

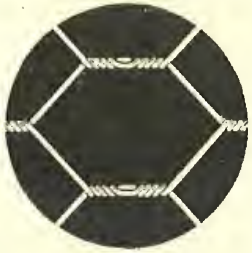
FOUR STRAND No. 20 Bbl. Lots

100-ft. lengths, per doz.
75-ft. lengths, per doz.
50-ft. lengths, per doz.
40-ft. lengths, per doz.

Price on Application

Twisted and Hollow Cable Wire Clothes Lines on Reels List Price per Reel

	1500 Ft.	2000 Ft.	2500 Ft.	3000 Ft.	4000 Ft.	5000 Ft.	6000 Ft.	8000 Ft.	10,000 Ft.
No. 1	Price on Application								
No. 2									
No. 3									
No. 4									
No. 16									
No. 17									
No. 18									
No. 19									
No. 20									



AMERICAN HEX-CEL POULTRY NETTING

In Hex-Cel the Lock Joint preserves the true hexagon shape of each cell. This property of the fabric results in a flat, non-buckling fence—makes the use of top and bottom boards unnecessary—and requires fewer supporting posts.

Hex-Cel Netting unrolls as straight and true as a steel yardstick—stretches up without a kink or a bulge. From top to bottom—from end to end—always full measure—never short.

Made in 12″, 18″, 24″, 30″, 36″, 42″, 48″, 60″ and 72″ widths. Put up in 150 foot rolls.

Made in 1″ and 2″ meshes.
Nos. 19 and 20 gauges.
Galvanized before weaving.
Galvanized after weaving.
Copper Bearing Steel.

AMERICAN SPECIAL STRAIGHT LINE POULTRY NETTING

American Special Straightline Poultry Netting has an exceptionally even weave—due to the strong lock joint construction. This feature plus the sturdy horizontal wires makes American Straightline very easy to erect.

Top and bottom boards are not required. Fewer posts needed. Rolls are guaranteed full weight and full length.

Made in 12″, 18″, 24″, 30″, 36″, 42″, 48″, 60″ and 72″ widths. Put up in 150 foot rolls.

Made in 1″ and 2″ meshes.
Nos. 19 and 20 gauges.
Galvanized before weaving.
Galvanized after weaving.
Copper Bearing Steel.

American Hexagon Fur Farm Netting

Specially designed for strength and long life. Made of Copper Bearing Steel with heavy coating of zinc applied after weaving.

Three-wire cables with tension curves at frequent intervals, form top and bottom selvages. The following specifications are recommended:

Foxes	1½x15 or 16—2x16
Dogs	2x14
Pheasants	1x18
Mink	¾x18
Skunk	1x18
Coons	1½x15—2x14 or 15
Rabbits	1x18
Muskrat	1x16 or 18
Turkeys	¾x18—1x16—1x18—1½x16

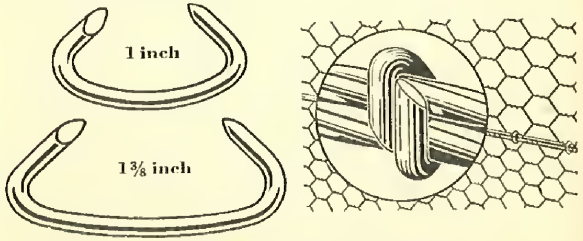
MADE IN ALL SIZES

Prices quoted promptly on request.

We issue a completely illustrated catalogue giving full details on Netting, Guard Fence, Steel Posts and Steel Gates for Fur Farms.

Galvanized Wire Netting Clamp

Used for joining Fox and Fur Farm Fence and Netting. No. 12 Gauge Wire.



Approximate Count per Pound

1 inch—233 1⅜ inch—175

Wood and Nails

What wood to use for a certain piece of construction, in order to secure the greatest strength and longest wear in the finished article and to do it in the most economical way, has always been a question with manufacturers of Cabinet work, the makers of boxes and crates, as well as of builders of more pretentious structures, ranging from the simple shed to the most elaborate wooden structure.

The choice of these woods is by no means a matter of chance or convenience, but rather the result of costly slow and laboriously gained experience. While at one time it was the custom to employ such lumber as could be obtained from species of wood growing in close proximity to the manufacturing plant, in order to avoid long hauls by land or water, such custom has changed considerably. This has been brought about by manufacturers recognizing the fact that the economy achieved by avoiding long freight hauls, was many times entirely lost and such losses are sometimes doubled and trebled because the product proves itself unsatisfactory from the standpoint of endurance and immediate wear resistance, besides entailing costly adjustments to satisfy the consumer of the product.

The other item in durable and economical construction is found in the nails that are used to assemble or hold together the job. Nails have evoluted from the simple wood peg of the ancients to the most elaborately and scientifically designed forms, sizes and shapes. This scientific development of the nail has been brought about by constantly changing conditions in the art of wood construction as well as by the much more strenuous requirements of concentrated packages (sometimes of considerable weight) and long and grinding hauls in the high speed transportation systems of the present day.

The simple form of the ordinary nail has been changed and modified so as to meet highly specialized requirements. Not only the length and gauge of the nail has been changed but the shape of the point and head have been altered, various types of barbing have been developed, as well as nails with double heads, capable of being driven to definite depths and then being readily withdrawn in order to re-use the lumber which was employed in these temporary structures such as shoreings and forms for concrete placement. Other types of nails are made headless or with very small heads with special fillister so as to draw in close as for flooring and trim nailing. The change in the types of roofing employed has made necessary the development of specially designed nails for each variety of roofing, some of which are not driven at all but are used to keep the sections or shingles flat and in alignment no matter what the weather conditions may be to which the roof is subjected. Other

nails in a wide array of sizes have been developed for the nailing of boxes, crates, and other containers, each intended for some special product. Not only the shape and size, however, have been altered, even the analysis of the steel has been made to conform to the requirements of the nail. Other metals besides steel have been adopted for highly specific purposes, hence we find nails made of solid copper, bronze, or brass and most recently the new corrosion resistant steels known as stainless. These latter employ alloys of Chromium and Nickel combined with steel to give nails properties hardly dreamed of only a decade ago. They are free from rusting even in strong brine solutions and most of the ordinary acids. These corrosion resisting properties are of particular interest to producers of containers for meats and other foods. The same is true of the construction of vats and flumes subjected to more or less corrosive liquids in storage or transit, and for maritime purposes. A nail that is properly selected for the work it is to do, will not split the wood, this splitting being determined by the shape of the point of the nail and the gauge and length as compared to the thickness and variety of the wood in which it is used.

All things being equal, the lighter gauges and lengths are the most economical to use as there are more nails to the pound. This, on large nailing operations, amounts to quite an item where a specified number of nails are to be used as in a box or crate.

There are, however, other factors besides economy which determine just what length and gauge of nail is to be employed.

The usefulness of any nail, regardless of size, depends on its "Holding Power" in any given variety of wood. To determine this "Holding Power" elaborate experiments and tests have been made by the Forest Service of the U. S. Dept. of Agriculture in co-operation with the University of Wisconsin at Madison. These tests have been carried on for a considerable period of time with apparatus designed especially for the purpose, thus standardizing the results and making it possible to plot the findings so as to obtain a true picture of the factors involved and their relation to each other. To summarize these findings briefly:

The holding power of a nail is dependent on the closeness of the fibers making up the wood in which the nail is used. This being the case there seems to be a definite relation between the holding power of the nail and the specific gravity based on volume and weight of oven dry wood. Green wood with a high moisture content has a higher holding power than dry wood.

The holding power of the nail decreases as the wood becomes aged if the nail was originally driven into green wood with high moisture content. Where the contact of the

wood fibers with the nail is chiefly end grain, a much higher holding power can be assumed than would be the case if such contact were chiefly side grain.

If the nail is originally driven into wood that has been properly seasoned, it is safe to assume that this holding power will increase with time. This is particularly true of the softer types of wood. The holding power of the nail is influenced by the surface of the nail, special coatings or treatments of this surface being capable of increasing the holding power from ten to forty percent over an untreated or plain nail.

The type of nail which causes the smallest amount of distortion in the fibres of the wood into which it is driven will have the greatest holding power.

Points of nails influence the holding power of a nail in direct proportion to the amount of distortion which they produce in the wood fibre. Blunt points penetrate the surface layers without splitting, but produce a maximum amount of fibre distortion in the deeper layers. Very sharp points and long diamond points favor splitting particularly in hard dense woods.

The ordinary nail with its moderately sharp point and short angles distorts wood fibres least and produces only a moderate amount of splitting.

Light weight woods which show little tendency to split can advantageously be nailed with sharp pointed nails thereby securing somewhat greater holding power. Denser species of wood which have greater splitting tendencies may offset all of the gain in holding power secured from a sharp point by this tendency to split, while the use of a very blunt point to overcome the splitting tendency may result in low holding power due to fiber distortion in the more interior layers of wood fibers.

All conditions being equal, a blunt tapered nail will give the best all around results as in the heavier woods it is fully equal in holding power to the common point nail with less splitting tendency while in the lighter woods it nearly equals the common point nail.

Light weight woods with relatively low nail holding power are just as suitable for certain purposes as are the heavier and denser grained woods as they offer the opportunity to use nails of larger diameter, greater length or increased numbers to compensate for the short-comings in the wood without danger of splitting.

Properly cement coated nails have approximately twice the holding power of plain untreated nails. The new acid etched nails have about 40% greater holding power than the best cement coated nails.

The average density and nail holding power of 51 species of wood, based on a 7d cement coated nail is shown in the following table:

Nail-Holding Power of Various Species of Wood

(7d Cement-Coated Nails Driven to a Depth of One and One-Quarter Inches and Pulled at Once)

Common and botanical name of species	Place of growth of material tested	Moisture content per cent	Specific gravity based on vol. and wt. of oven-dry wood	Average holding power for one nail when driven into		
				End surface pounds	Radial surface (edge-grain) pounds	Tangential surface (flat-grain) pounds
Ash, white (*Fraxinus americana*)	Ark.	8.9	0.64	385	455	452
Aspen (*Populus tremuloides*)	Colo., N. Mex., Wis.	5.3	.39	117	187	201
Aspen, largetooth (*Populus grandidentata*)	Wis.	6.5	.41	157	202	207
Basswood (*Tilia glabra*)	Pa.	6.5	.41	138	199	194
Beech (*Fagus grandifolia*)	Ind.	8.4	.67	358	495	460
Birch, yellow (*Betula lutea*)	Wis.	8.6	.66	331	473	451
Cedar, western red (*Thuja plicata*)	Mont., Wash.	7.6	.34	118	192	202
Cedar, northern white (*Thuja occidentalis*)	Wis.	9.3	.32	103	153	160
Chestnut (*Castanea dentata*)	Md., Tenn.	9.2	.45	172	258	273
Cottonwood, black (*Populus trichocarpa*)	Wash.	5.9	.37	122	194	196
Cottonwood, eastern (*Populus deltoides*)		6.8	.34	143	189	197
Cypress, southern (*Taxodium distichum*)	La., Mo.	8.3	.47	144	266	291
Douglas fir (*Pseudotsuga taxifolia*)	Ore., Wash.	6.3	.51	183	273	296
Elm, American (*Ulmus americana*)	Pa.	8.2	.54	236	344	339
Fir, California red (*Abies magnifica*)	Calif.	9.0	.37	100	177	189
Fir, silver (*Abies amabilis*)	Wash.	4.9	.40	86	201	207
Fir, white (*Abies concolor*)	Calif.	8.0	.41	104	176	203
Fir, lowland white (*Abies grandis*)	Idaho	5.3	.36	60	150	182
Gum, red (*Liquidambar styraciflua*)	Ark.	8.3	.51	192	292	278
Gum, tupelo (*Nyssa aquatica*)	La., Mo.	9.3	.52	233	376	345
Hemlock, eastern (*Tsuga canadensis*)	Tenn., Wis.	8.9	.42	127	225	230
Hemlock, western (*Tsuga heterophylla*)	Wash.	6.7	.46	149	266	277
Hop-hornbeam (*Ostrya virginiana*)	Wis.	6.5	.76	457	513	480
Larch, western (*Larix occidentalis*)	Idaho	4.4	.58	180	299	319
Locust, black (*Robinia pseudoacacia*)	Tenn.	4.1	.71	404	461	345
Locust, honey (*Gleditsia triacanthos*)	Ind.	6.5	.76	431	508	449
Magnolia, cucumber (*Magnolia acuminata*)	Tenn.	5.1	.52	233	350	335
Maple, black (*Acer nigrum*)	Ind.	9.8	.62	357	480	415
Maple, silver (*Acer saccharinum*)	Wis.	6.8	.51	280	333	338
Maple, sugar (*Acer saccharum*)	Ind.	9.2	.65	396	497	459
Oak, red (*Quercus borealis*)	Ark., Tenn., N. H.	8.4	.66	312	466	422
Oak, white (*Quercus alba*)	Ark., La.	8.6	.72	320	496	444
Pine, jack (*Pinus banksiana*)	Wis.	7.6	.46	161	228	272
Pine, loblolly (*Pinus taeda*)	Fla.	8.0	.59	179	271	335
Pine, lodgepole (*Pinus contorta*)	Colo., Idaho	6.3	.44	141	244	252
Pine, longleaf (*Pinus palustris*)	Fla., La., Miss.	7.7	.64	244	362	376
Pine, mountain (*Pinus pungens*)	Tenn.	7.1	.55	209	318	330
Pine, Norway (*Pinus resinosa*)	Wis.	7.4	.51	165	273	282
Pine, pitch (*Pinus rigida*)	Tenn.	7.7	.54	235	325	330
Pine, pond (*Pinus rigida serotina*)	Fla.	7.5	.57	211	348	384
Pine, shortleaf (*Pinus echinata*)	La.	7.2	.58	235	331	377
Pine, slash (*Pinus caribea*)	Fla.	7.6	.68	290	356	420
Pine, northern white (*Pinus strobus*)	Wis.	7.7	.39	136	220	225
Pine, western white (*Pinus monticola*)	Mont.	8.2	.45	134	255	246
Pine, western yellow (*Pinus ponderosa*)	Calif., Oreg.	6.6	.44	122	224	233
Poplar, yellow (*Liriodendron tulipifera*)	Tenn.	7.3	.42	162	212	223
Spruce, Engelmann (*Picea engelmannii*)	Colo.	9.4	.36	136	177	184
Spruce, red (*Picea rubra*)	Tenn.	10.7	.41	148	229	221
Spruce, white (*Picea glauca*)	Wis.	7.6	.43	146	209	218
Sycamore (*Platanus occidentalis*)	Tenn.	7.0	.55	270	369	349
Redwood (*Sequoia sempervirens*)	Calif.	6.0	.42	106	221	226

The nail-holding properties of wood are in general closely related to the specific gravity or density of the material but species characteristics may, however, account for variations, of as much as 25 per cent in these relations. Since in any species there is variation in specific gravity, the nail-holding properties of individual pieces may vary considerably from the averages. Hence it is possible to select material of any species that is relatively high in nail-holding properties and is better than the average.

Approximate Number of Wire Nails per Pound

American Steel & Wire Company's Steel Wire Gauge	LENGTH													
	3/16	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 1/2	1 3/4	2
3/8	.....	.....	.....	.....	.....	.....	.....	29	26	23	20	17	15
5/16	.....	.....	.....	.....	.....	.....	.....	43	38	34	29	25	22
1	.....	.....	.....	.....	.....	.....	.....	47	44	40	34	29	26
2	.....	.....	.....	.....	.....	.....	.....	60	54	48	41	35	31
3	.....	.....	.....	.....	.....	.....	.....	67	60	55	47	41	36
4	.....	.....	.....	.....	.....	.....	.....	81	74	66	55	48	41
5	.....	.....	.....	.....	.....	.....	.....	90	81	74	61	52	45
6	.....	.....	.....	213	174	149	128	113	101	91	76	65	58
7	.....	.....	.....	250	205	174	148	132	120	110	92	78	70
8	.....	.....	.....	272	238	198	174	153	139	126	106	93	82
9	.....	.....	.....	348	286	238	213	185	170	152	128	112	99
10	.....	.....	.....	469	373	320	277	242	216	196	165	142	124
11	.....	.....	.....	510	417	366	323	285	254	233	200	171	149
12	.....	.....	.....	740	603	511	442	397	351	327	268	229	204
13	.....	.....	1356	1017	802	688	590	508	458	412	348	297	260
14	.....	2293	1664	1290	1037	863	765	667	586	536	459	398	350
15	.....	2899	2213	1619	1316	1132	971	869	787	694	578	501	437
16	.....	3932	2720	2142	1708	1414	1229	1099	973	872	739	635	553
17	.....	5316	3890	2700	2306	1904	1581	1409	1253	1139	956	831	746
18	.....	7520	5072	3824	3130	2608	2248	1976	1760	1590	1338	1150	996
19	.....	9920	6860	5075	4132	3508	2816	2556	2284	2096	1772	1590	1390
20	18620	14050	9432	7164	5686	4795	4230	3596	3225	2893	2412	2070	1810
21	23260	17252	12000	8920	7232	6052	5272	4576	4020	3640	3040	2665	2310
22	28528	21508	14676	11776	9276	7672	.....	.....	.....	.....	.....	.....	.....
23	35864	27039	18026	13519	10815	9013	.....	.....	.....	.....	.....	.....	.....
24	44936	34018	22678	17008	13607	11339	.....	.....	.....	.....	.....	.....	.....
25	57357	43243	28828	21622	17297	14414	.....	.....	.....	.....	.....	.....	.....

American Steel & Wire Co.'s Steel Wire Gauge	LENGTH													
	2 1/4	2 1/2	2 3/4	3	3 1/2	4	4 1/2	5	6	7	8	9	10	11	12
3/8	15	12	11	11	8.9	7.9	7.1	6.4	5.2	4.5	4.0	3.4	3.2	2.9	2.7
5/16	20	18	16	15	13	11	10	9.0	7.6	6.5	5.7	5.0	4.5	4.1	3.8
1	23	21	20	18	16	14	12	11	9.3	8.0	7.0	6.3	5.7	5.2	4.7
2	28	25	23	21	18	16	14	13	11	9.3	8.1	7.2	6.6	6.1	5.6
3	32	29	27	25	21	18	16	15	12	11	9.4	8.3	7.6	7.1	6.6
4	37	34	31	29	25	22	20	18	15	13	11	9.8	8.9	8.1	7.5
5	41	38	35	32	28	24	22	21	18	16	14	12	12	11	9.6
6	52	47	43	39	34	29	26	24	20	18	16	15	13	11	11
7	61	55	51	47	40	35	31	28	24	19	18	16	14	13	12
8	74	66	61	56	48	42	38	34	28	24	21	19	17	15	14
9	87	79	71	67	58	50	45	41	34	29	25	23	21	19	17
10	111	100	91	84	71	62	55	49	42	36	31	27	25	23	21
11	136	122	111	103	87	77	69	61	52	44	39	35	31	29	26
12	182	161	149	137	118	103	95	87	71	63	56	50	45	40	36
13	232	209	190	175	153	138	123	110	93	.....	.....	.....	.....	.....	.....
14	312	278	256	233	201	176	157	140	117	.....	.....	.....	.....	.....	.....
15	390	351	317	290	246	220	196	177	145	.....	.....	.....	.....	.....	.....
16	496	452	410	370	318	277	248	226	.....	.....	.....	.....	.....	.....	.....
17	666	590	532	486	418	360	322	295	.....	.....	.....	.....	.....	.....	.....
18	890	820	740	680	585	507	448	412	.....	.....	.....	.....	.....	.....	.....
19	1205	1060	970	895	800	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	1620	1450	1315	1215	1035	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21	2020	1830	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

These approximate numbers are an *Average* only, and the figures given may be varied either way, by changes in the dimensions of the heads or points. Brads and no-head nails will run more to the pound than table shows, and large or thick-headed nails will run less.

List of Wire and Wire Products
made by
American Steel & Wire Company

Aerial Tramways
Airplane Wires and Strand
Automobile Wires and Cables
Automobile Springs
Annunciator Wire
Bale Ties for baling hay, paper, rags, waste materials, etc.
Barbed Wire
Bell Wire
Bookbinding Wire
Broom Wire
Cold Rolled Strips
Cold Rolled Strip Steel
Copper Wire
Corn Cribs (Wire)
Concrete Reinforcement
Door Springs
Electrical Wires and Cables
Flat Wire—Cold Rolled Strip Steel
Florist Wire
Fox Farm Wire Netting
Fur Farm Wire Netting
Fences, Wire
Fence Gates
Fence Wire
Fence Posts
Fence Tools
Galvanized Wire
High Carbon Wires
Highway Guard Wire Cables
Ignition Wires and Cables
Lamp Cords
Lawn Fence
Low Carbon Wires
Mattress Wire
Magnet Wire
Nails of every description (Wire)
Netting, Wire
Park and Suburban Cables
Piano Wire
Plain Wire
Poultry Fence
Poultry Netting
Poultry Fence Gates
Power Cables
Rail Bonds

Radio Wires
Ribbon Wire
Rubber Covered Electrical Wires
Signal Wire
Signal Bonds
Steel Fence Posts
Screw Stock
Springs of every description
Spring Wire
Stucco Reinforcement
Strand, Wire
Submarine Power Cables
Spikes
Staples
Sulphate of Iron
Tacks
Telephone and Telegraph Wire
Trolley Wire
Welding Wire
Wire Clothes Lines
Wire Hoops
Wire Rope
Wire Strand
Woven Wire Fences
Wire Rods

Wire for Manufacturing

Round, Flat, Square, Oval, Octagon or other shapes
Premier Spring Wire
Weaving Wire
Pin Wire
Bolt, Rivet and Screw Wire
Music Spring Wire
Pump Rod Bars
Wool Wire
Tempered Wires
Broom and Brush Wire
Pinion Wire
Basic and Bessemer Screw Stock
Flat Nut Stock
Hair Pin Wire
Mattress Wire
Piano Wire and Rods
Also Bright, Annealed, Coppered, Liquor-finish, Tinned and Galvanized Wire for various manufacturing purposes

Literature

Descriptive literature is available for every product mentioned above. Please address your requests to Literature Department, American Steel & Wire Company, Rockefeller Building, Cleveland, Ohio.

Sizes of Wire

American Steel & Wire Co.'s Steel Wire Gauge

	American Steel & Wire Company's STEEL WIRE GAUGE No.	Sizes of Wire		Weight One Mile Pounds	Pounds per Foot	Feet to Pound
		Common Fractions	Decimally			
	1		.2830	1128.0	.2136	4.681
		9/32	.28125	1114.0	.211	
	2		.2625	970.4	.1838	5.441
		1/4	.250	880.2	.1667	
	3		.2437	836.4	.1584	6.313
	4		.2253	714.8	.1354	7.386
		7/32	.21875	673.9	.1276	
	5		.2070	603.4	.1143	8.750
	6		.1920	519.2	.0983	10.17
		3/16	.1875	495.1	.0937	
	7		.1770	441.2	.0835	11.97
	8		.1620	369.6	.070	14.29
		5/32	.15625	343.8	.0651	
	9		.1483	309.7	.0586	17.05
	10		.1350	256.7	.0486	20.57
		1/8	.1250	220.0	.0416	
	11		.1205	204.5	.0387	25.82
	12		.1055	156.7	.0296	33.69
		3/32	.09375	123.8	.0234	
	13		.0915	117.9	.0223	44.78
	14		.0800	90.13	.0170	58.58
	15		.0720	73.01	.0138	72.32
	16	1/16	.0625	55.0	.0104	95.98
	17		.0540	41.07	.0077	128.6
	18		.0475	31.77	.006	166.2
	19		.0410	23.67	.0044	223.0
	20		.0348	17.05	.0032	309.6

WIRE GAUGES

Gauge Nr	stiws	Awg	Bwg	swg
1	283.0	289.3	300	300
2	262.5	257.6	284	276
3	243.7	229.4	259	252
4	225.3	204.3	238	232
5	207.0	181.9	220	212
6	192.0	162.0	203	192
7	177.0	144.3	180	176
8	162.0	128.5	165	160
9	148.3	114.4	148	144
9½	142.0			
10	135.0	101.9	134	128
10½	131.0			
10¾	128.0			
11	120.5	90.74	120	116
11½	113.0			
12	105.5	80.81	109	104
12½	99.0			
13	91.5	71.96	95	92
13½	86.0			
14	80.0	64.08	83	80
14½	76.0			
15	72.0	57.07	72	72
15½	67.0			
16	62.5	50.82	65	64
16½	58.0			
17	54.0	45.26	58	56
18	47.5	40.30	49	48
19	41.0	35.89	42	40
20	34.8	31.96	35	36

American Steel & Wire Company

UNITED STATES STEEL

SALES OFFICES

ATLANTA.....101 Marietta St., Bldg.
BALTIMORE.....First National Bank Bldg.
BIRMINGHAM.....Brown-Marx Bldg.
BOSTON.....Statler Bldg.
BUFFALO.....Liberty Bank Bldg.
CHICAGO.....208 So. La Salle Street
CINCINNATI.....Union Trust Building
CLEVELAND.....Rockefeller Building
COLUMBUS...American Insurance Union Building
DALLAS.....Praetorian Building
DENVER.....First National Bank Bldg.
DETROIT.....General Motors Building
EL PASO.....First National Bank Bldg.
HOUSTON..North Side Ship Channel, P. O. Box 159
KANSAS CITY.....417 Grand Avenue
MEMPHIS.....Sterick Building
MILWAUKEE.....Bankers Building
MINNEAPOLIS-ST. PAUL.....
.....First Nat'l Bk. Bldg., St. Paul
NEW YORK.....Empire State Building
PHILADELPHIA.....Broad Street Station Bldg.
PITTSBURGH.....Frick Building
SALT LAKE CITY.....Walker Bank Building
ST. LOUIS.....506 Olive Street
WILKES-BARRE.....Miners Bank Building
WORCESTER.....94 Grove Street
*SAN FRANCISCO.....Russ Building
*LOS ANGELES.....2087 E. Slauson Avenue
*PORTLAND.....2345 N. W. Nicolai Street
*SEATTLE.....1054 Fourth Avenue South

**Pacific Coast Distributors*
COLUMBIA STEEL COMPANY

Export Distributors
UNITED STATES STEEL PRODUCTS CO.,
30 Church St., NEW YORK, N. Y.